



Borough of Morecambe & Heysham

# REPORT



of the

*Medical Officer of Health*

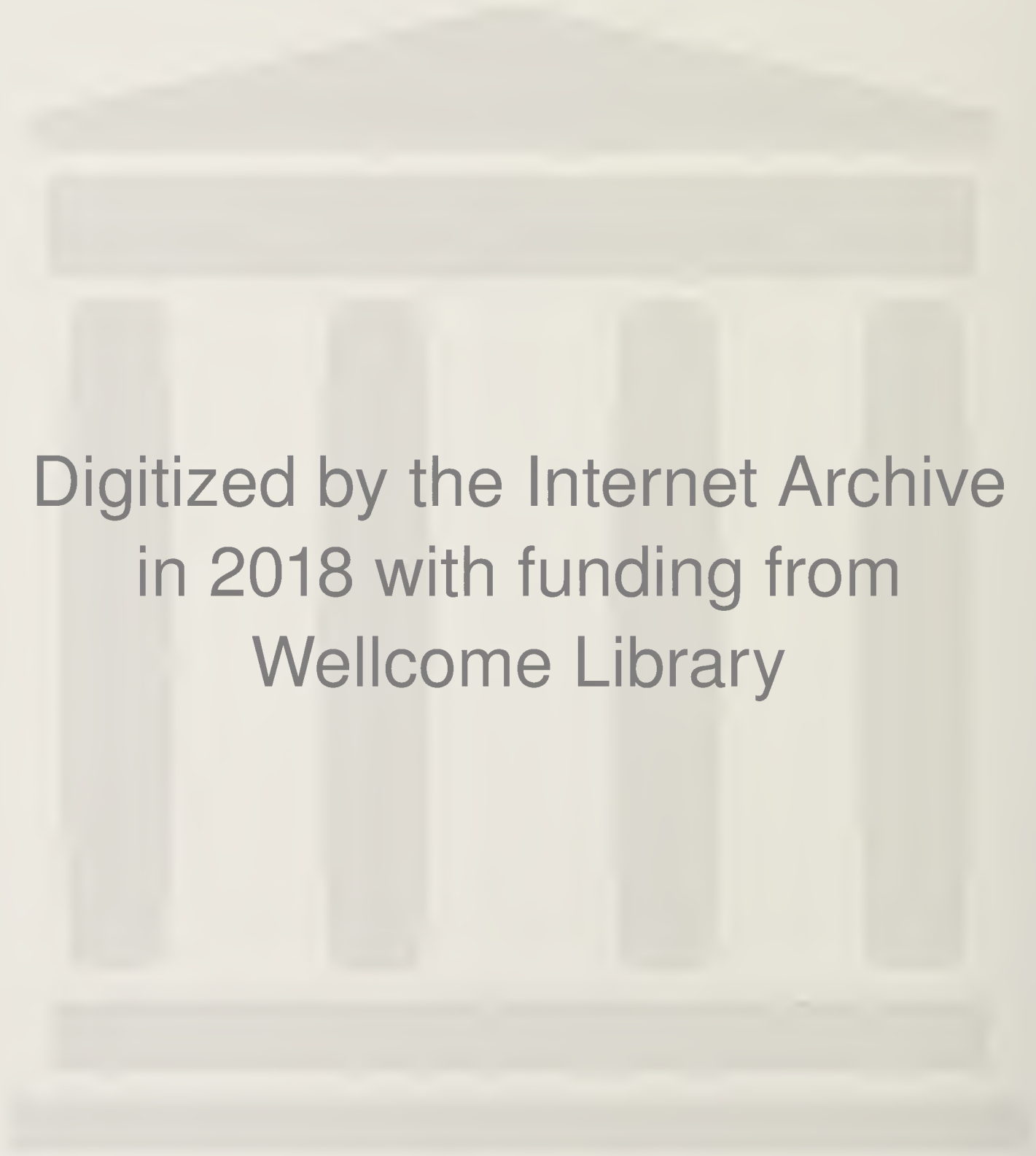
and the

*Chief Public Health Inspector*

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1969

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## TABLE OF CONTENTS

|                                     | <u>Page</u> |
|-------------------------------------|-------------|
| Health and Housing Committee        | 1           |
| Statistics and Social Conditions    | 4           |
| Infectious Diseases                 | 7           |
| Food Poisoning                      | 12          |
| Water Supply                        | 13          |
| Sewerage and Sewage Disposal        | 16          |
| Housing                             | 17          |
| Port Health                         | 21          |
| Public Health Act, 1936             | 30          |
| Clean Air                           | 32          |
| Noise Abatement                     | 32          |
| Camping Sites                       | 33          |
| Shops and Young Persons             | 34          |
| Offices, Shops and Railway Premises | 34          |
| Factories                           | 37          |
| Rodent Control                      | 38          |
| Food Control                        | 39          |
| Meat and Food Inspection            | 53          |
| Cleansing                           | 59          |
| Swimming Baths                      | 63          |
| Meteorological                      | 65          |

HEALTH AND HOUSING COMMITTEE

His Worship the Mayor (Councillor N.B.Pym)

Councillor L.Bolton (Chairman)  
Councillor T.Langridge (Vice-Chairman)

Alderman E. Bell

|                         |                        |
|-------------------------|------------------------|
| Councillor N.Bolton     | Councillor A.Haworth   |
| Councillor W.H.Burgess  | Councillor J.Kay       |
| Councillor D.Dry        | Councillor T.Standidge |
| Councillor W.V.Earnshaw | Councillor K.H.Yewdall |

HEALTH DEPARTMENT STAFF

Medical Officer of Health

J.V.Dyer, M.B., B.S., M.R.C.S., L.R.C.P., D.P.H.

Deputy Medical Officer of Health

W.R.Falconer, M.B., Ch.B., D.P.H.

Chief Public Health Inspector

S.A.Gibson, M.R.S.H., M.A.P.H.I.

Deputy Chief Public Health Inspector

R. Bain

Public Health Inspectors

|            |                                  |
|------------|----------------------------------|
| A.L.Baxter | T.Turton                         |
| P.Culshaw  | G.A.Yates (from 1st March, 1969) |

Student Public Health Inspectors

D.Robinson  
P.H.Lord (from 22nd September, 1969)

Clerical Staff

Mrs.W.Yeudall Mr.P.H.Lord

Disinfestation Operative 1      Rodent Operatives 2

Public Health Department,  
Town Hall,  
Morecambe and Heysham.

To the Mayor, Aldermen and Councillors  
of the Borough of Morecambe and Heysham.

Mr. Mayor, Ladies and Gentlemen,

I have the honour to present this Annual Report on the health and sanitary circumstances of the Borough for the year ending 31st December, 1969. The contents and lay out follow the usual pattern, and are in accordance with the Department of Health Circular 1/70.

The population has once again risen, and at the mid-year, was estimated as 40,880. This is despite an excess of deaths over births of nearly 300. Although this customary excess may appear disquieting in absolute numbers, after adjusting the rates, to take account of the age and sex structure of the population, the birth rate does in fact exceed the death rate. Nevertheless, the total of births is the lowest for many years, reflecting the fall in births throughout the whole country. Mention should also be made of the number of illegitimate births - 46, or 11% of the total, compared to the national figures of 8%.

Of the 341 male deaths, 27 were due to cancer of the lung, and this opportunity must be taken of again drawing attention to the proved link between cigarette smoking and cancer of the lung. It is appreciated that for adults, it takes a very determined effort to break the habit, but we ought to discourage children from starting.

There was a disturbing fall in the number of babies immunised against diphtheria and poliomyelitis. Memories of these distressing conditions are fading, and a generation of mothers has grown up, never knowing the extent and severity of such illnesses. The campaign to eradicate measles met with an unfortunate setback, when the great bulk of stocks of vaccine were withdrawn during the year, and alternative sources of supply not meeting demands.

Notifications of tuberculosis were the lowest ever - 2 respiratory, none non-respiratory. Similarly, there was a fall in notifications of other infectious diseases, but this was at the cost of increasing vigilance and time consuming effort. The two cases of dysentery, five food poisoning, and a suspected typhoid involved the collection of almost 200 specimens for laboratory investigation. This aspect of our work carries particular importance, as the Borough is essentially dependent on the tourist industry. Once again, every carcase leaving the slaughterhouse was inspected - over 30,000; only three showed evidence of tuberculosis. Regarding Brucellosis infection of raw milk, thankfully, none of the samples examined proved positive.

During the year, the Council decided not to support the proposal to artificially increase the amount of fluoride in the drinking water.

/Once again,

Once again, I wish to acknowledge, with sincerity,  
the continued conscientious work of my colleagues in the  
Health Department, and thank the Council for their support and  
interest in the field of Social and Preventive Medicine.

I have the honour to be, Mr. Mayor, Ladies and  
Gentlemen,

Your obedient Servant,

J.V.DYER

Medical Officer of Health.

STATISTICS AND SOCIAL CONDITIONS

OF THE BOROUGH

|                                                                                           |            |
|-------------------------------------------------------------------------------------------|------------|
| Area in acres (not including foreshore)                                                   | 3,669      |
| Population Census 1961                                                                    | 40,228     |
| Number of inhabited houses - Census 1961                                                  | 13,714     |
| Registrar General's estimate of resident population<br>(mid-year)                         | 40,880     |
| Number of                                                                                 |            |
| (a) inhabited houses 1969 (according to rate books)                                       | 14,961     |
| (b) shops, warehouses, licensed premises,<br>entertainment and recreational premises etc. | 3,121      |
| Rateable value                                                                            | £1,785,709 |
| Sum represented by penny rate                                                             | £7,100     |

SUMMARY OF VITAL STATISTICS

|                                                 |      |
|-------------------------------------------------|------|
| Total deaths registered                         | 723. |
| Death rate per 1,000 est. population (crude)    | 17.7 |
| Death rate per 1,000 est. population (adjusted) | 12.6 |

Principal Vital Statistics relating to Mothers and Infants

|                                                                                      |      |
|--------------------------------------------------------------------------------------|------|
| Total live births registered                                                         | 438  |
| Live birth rate per 1,000 est. population (crude)                                    | 10.7 |
| Live birth rate per 1,000 est. population (adjusted)                                 | 13.5 |
| Illegitimate live births as percentage of total live<br>births                       | 11.0 |
| Total still births registered                                                        | 4    |
| Still birth rate per 1,000 <u>total</u> births                                       | 9.0  |
| Total infant deaths (under one year) registered                                      | 7    |
| Infant mortality rate per 1,000 <u>live</u> births                                   | 16.0 |
| Neo-natal mortality (deaths under 4 weeks) rate per<br>1,000 <u>live</u> births      | 9.0  |
| Early neo-natal mortality (deaths under 1 week) rate<br>per 1,000 <u>live</u> births | 7.0  |
| Maternal mortality rate per 1,000 <u>total</u> births                                | Nil  |
| Perinatal mortality rate per 1,000 <u>total</u> births                               | 16.0 |

| Mid-Year                   | Estimated<br>Home<br>Population | <u>Live Births</u> |                                   | <u>Deaths (all causes)</u> |                                   |
|----------------------------|---------------------------------|--------------------|-----------------------------------|----------------------------|-----------------------------------|
|                            |                                 | No. registered     | Crude rate<br>per<br>1,000 pop'n. | No. registered             | Crude rate<br>per<br>1,000 pop'n. |
| 1969                       | 40,880                          | 438                | 10.7                              | 723                        | 17.7                              |
| 1968                       | 40,850                          | 514                | 12.6                              | 711                        | 17.4                              |
| 1967                       | 40,810                          | 457                | 11.2                              | 734                        | 18.0                              |
| 1966                       | 40,740                          | 509                | 12.5                              | 693                        | 17.0                              |
| 1965                       | 40,620                          | 580                | 14.3                              | 712                        | 17.5                              |
| 1964                       | 40,570                          | 537                | 13.2                              | 715                        | 17.6                              |
| Average 5 years<br>1964-68 |                                 |                    | 12.7                              |                            | 17.5                              |

TABLE OF DEATHS FROM ALL CAUSES

|         |                                         | <u>Male</u> | <u>Female</u> | <u>Total</u> |
|---------|-----------------------------------------|-------------|---------------|--------------|
| B5      | Tuberculosis of respiratory system      | 3           | -             | 3            |
| B19(1)  | Malignant neoplasm - buccal cavity etc. | 1           | -             | 1            |
| B19(2)  | Malignant neoplasm - oesophagus         | 3           | 3             | 6            |
| B19(3)  | Malignant neoplasm - stomach            | 12          | 16            | 28           |
| B19(4)  | Malignant neoplasm - intestine          | 10          | 18            | 28           |
| B19(5)  | Malignant neoplasm - larynx             | 1           | -             | 1            |
| B19(6)  | Malignant neoplasm - lung, bronchus     | 27          | 4             | 31           |
| B19(7)  | Malignant neoplasm - breast             | -           | 5             | 5            |
| B19(8)  | Malignant neoplasm - uterus             | -           | 12            | 12           |
| B19(9)  | Malignant neoplasm - prostate           | 4           | -             | 4            |
| B19(10) | Leukaemia                               | -           | 1             | 1            |
| B19(11) | Other malignant neoplasms               | 13          | 17            | 30           |
| B21     | Diabetes Mellitus                       | 2           | 5             | 7            |
| B46(1)  | Other endocrine etc. diseases           | 1           | 1             | 2            |
| B23     | Anaemias                                | 1           | 1             | 2            |
| B46(3)  | Mental disorders                        | -           | 1             | 1            |
| B46(4)  | Other diseases of nervous system, etc.  | 4           | 3             | 7            |
| B26     | Chronic rheumatic heart disease         | 4           | 4             | 8            |
| B27     | Hypertensive disease                    | 5           | 10            | 15           |
| B28     | Ischaemic heart disease                 | 113         | 99            | 212          |
| B29     | Other forms of heart disease            | 7           | 19            | 26           |
| B30     | Cerebrovascular disease                 | 42          | 65            | 107          |
| B46(5)  | Other diseases of circulatory system    | 13          | 17            | 30           |
| B31     | Influenza                               | 3           | 3             | 6            |
| B32     | Pneumonia                               | 14          | 14            | 28           |
| B33(1)  | Bronchitis and Emphysema                | 25          | 15            | 40           |
| B33(2)  | Asthma                                  | 1           | 2             | 3            |
| B46(6)  | Other diseases of respiratory system    | 4           | 9             | 13           |
| B34     | Peptic ulcer                            | 6           | -             | 6            |
| B36     | Intestinal obstruction and hernia       | 1           | 4             | 5            |
| B37     | Cirrhosis of liver                      | -           | 2             | 2            |
| B46(7)  | Other diseases of digestive system      | 4           | 3             | 7            |
| B38     | Nephritis and Nephrosis                 | 1           | 1             | 2            |
| B39     | Hyperplasia of prostate                 | 2           | -             | 2            |
| B46(8)  | Other diseases, genito-urinary system   | -           | 1             | 1            |
| B46(10) | Diseases of musculo-skeletal system     | 2           | 2             | 4            |
| B42     | Congenital anomalies                    | -           | 2             | 2            |
| B43     | Birth injury, difficult labour, etc.    | -           | 2             | 2            |
| B45     | Symptoms and ill-defined conditions     | -           | 2             | 2            |
| BE47    | Motor vehicle accidents                 | 1           | 1             | 2            |
| BE48    | All other accidents                     | 7           | 13            | 20           |
| BE49    | Suicide and self-inflicted injuries     | 2           | 4             | 6            |
| BE50    | All other external causes               | 2           | 1             | 3            |

PREVALENCE OF AND CONTROL OVER  
INFECTIOUS DISEASES

Visits and Disinfection

|                                       |     |
|---------------------------------------|-----|
| Visits of inquiry into notified cases | 44  |
| Revisits                              | 7   |
| Miscellaneous visits                  | 2   |
| Visits re disinfection                | 8   |
| Premises disinfected                  | 1   |
| Articles disinfected                  | 7   |
| Rooms disinfected                     | 2   |
| Number of library books disinfected   | 147 |
| Visits to smallpox contacts           | 16  |
| Ships cabins disinfected              | 1   |

Dysentery

|                              |    |
|------------------------------|----|
| Visits to suspected cases    | 25 |
| Visits to Day Nursery        | 12 |
| Specimens (faeces) examined: |    |
| Positive                     | 1  |
| Negative                     | 29 |

Epidemic B.Coli

|           |          |   |
|-----------|----------|---|
| Specimens | Positive | 1 |
|-----------|----------|---|

Salmonellae

|           |          |     |
|-----------|----------|-----|
| Specimens | Positive | 31  |
|           | Negative | 112 |

# Cases of Infectious Diseases Notified

| Notifiable Disease                             | Total Cases Notified    |                    |    |    |    |    |    |     |     |             |             |  |  |  | Total deaths |
|------------------------------------------------|-------------------------|--------------------|----|----|----|----|----|-----|-----|-------------|-------------|--|--|--|--------------|
|                                                | Total cases at all ages | Age Period - Years |    |    |    |    |    |     |     |             |             |  |  |  |              |
|                                                |                         | 0-                 | 1- | 2- | 3- | 4- | 5- | 10- | 15- | 25 and over | Age unknown |  |  |  |              |
| Measles (excluding rubella)                    | 6                       | 3                  |    |    |    |    |    |     |     |             |             |  |  |  |              |
| Dysentery                                      | 2                       |                    | 2  |    | 1  |    |    |     |     |             |             |  |  |  |              |
| Scarlet Fever                                  | 22                      |                    |    |    |    |    |    |     |     |             |             |  |  |  |              |
| Diphtheria                                     |                         |                    |    |    |    |    |    |     |     |             |             |  |  |  |              |
| (A) - Meningococcal infection                  |                         |                    |    |    |    |    |    |     |     |             |             |  |  |  |              |
| (B) - Acute meningitis                         | 1                       | 1                  |    |    |    |    |    |     |     |             |             |  |  |  |              |
| Acute poliomyelitis - paralytic non-paralytic  |                         |                    |    |    |    |    |    |     |     |             |             |  |  |  |              |
| Acute encephalitis - Infective Post-infectious |                         |                    |    |    |    |    |    |     |     |             |             |  |  |  |              |
| (A) - Acute pneumonia                          |                         |                    |    |    |    |    |    |     |     |             |             |  |  |  |              |
| (B) - Leptospirosis                            |                         |                    |    |    |    |    |    |     |     |             |             |  |  |  |              |
| Paratyphoid fever                              |                         |                    |    |    |    |    |    |     |     |             |             |  |  |  |              |
| Typhoid fever                                  |                         |                    |    |    |    |    |    |     |     |             |             |  |  |  |              |
| Food poisoning                                 | 5                       | 1                  |    |    |    | 4  |    |     |     |             |             |  |  |  |              |
| (A) - Erysipelas                               |                         |                    |    |    |    |    |    |     |     |             |             |  |  |  |              |
| (A) - Puerperal pyrexia                        |                         |                    |    |    |    |    |    |     |     |             |             |  |  |  |              |
| (B) - Tetanus                                  |                         |                    |    |    |    |    |    |     |     |             |             |  |  |  |              |
| (C) - Infective jaundice                       | 1                       |                    |    |    |    |    |    |     |     |             |             |  |  |  |              |
| Tuberculosis - Respiratory                     | 2                       |                    |    |    |    |    |    |     |     |             |             |  |  |  |              |
| Meninges and C.N.S.                            |                         |                    |    |    |    |    |    |     |     |             |             |  |  |  |              |
| Other                                          |                         |                    |    |    |    |    |    |     |     |             |             |  |  |  |              |
| Whooping cough                                 |                         |                    |    |    |    |    |    |     |     |             |             |  |  |  |              |

VACCINATION AND IMMUNISATION

against Poliomyelitis, Diphtheria, Whooping Cough, Tetanus and Measles

Children resident in the District

|                              | Primary - by Year of Birth |      |      |      |           |                 | Total | Reinforcement - by Year of Birth |      |      |      |           |                 | Total |
|------------------------------|----------------------------|------|------|------|-----------|-----------------|-------|----------------------------------|------|------|------|-----------|-----------------|-------|
|                              | 1969                       | 1968 | 1967 | 1966 | 1962-1965 | Others under 16 |       | 1969                             | 1968 | 1967 | 1966 | 1962-1965 | Others under 16 |       |
| Children protected against:- |                            |      |      |      |           |                 |       |                                  |      |      |      |           |                 |       |
| Diphtheria                   | 35                         | 194  | 15   | 6    | 12        | 3               | 265   | 1                                | 48   | 169  | 20   | 298       | 35              | 571   |
| Whooping cough               | 35                         | 189  | 14   | 5    | 8         | 1               | 252   | 1                                | 46   | 157  | 17   | 52        | 7               | 280   |
| Tetanus                      | 35                         | 193  | 15   | 6    | 12        | 144             | 405   | 1                                | 48   | 169  | 21   | 298       | 74              | 611   |
| Poliomyelitis                | 35                         | 220  | 23   | 4    | 15        | 7               | 304   | 2                                | 8    | 34   | 1    | 234       | 21              | 300   |
| Measles                      | 1                          | 67   | 67   | 27   | 66        | 4               | 232   | -                                | -    | -    | -    | -         | -               | -     |

# TUBERCULOSIS

## New cases

|                  | <u>Respiratory</u> |   | <u>Meninges and<br/>C.N.S.</u> |   | <u>Other</u> |   |
|------------------|--------------------|---|--------------------------------|---|--------------|---|
|                  | M                  | F | M                              | F | M            | F |
| Under 5 years    | -                  | - | -                              | - | -            | - |
| 5 - 14 years     | -                  | - | -                              | - | -            | - |
| 15 - 44 years    | -                  | - | -                              | - | -            | - |
| 45 - 64 years    | -                  | 1 | -                              | - | -            | - |
| 65 and over      | 1                  | - | -                              | - | -            | - |
| Total (all ages) | 1                  | 1 | -                              | - | -            | - |

## Eleven years' table of Notifications and Deaths from Tuberculosis

### Pulmonary Tuberculosis

| <u>Year</u> | <u>Cases Notified</u> |               | <u>Deaths</u> |               |
|-------------|-----------------------|---------------|---------------|---------------|
|             | <u>Male</u>           | <u>Female</u> | <u>Male</u>   | <u>Female</u> |
| 1959        | 14                    | 8             | 4             | -             |
| 1960        | 12                    | 5             | 4             | -             |
| 1961        | 9                     | 3             | 2             | 1             |
| 1962        | 12                    | 12            | 4             | 1             |
| 1963        | 6                     | 3             | 4             | 1             |
| 1964        | 5                     | 1             | 2             | -             |
| 1965        | 12                    | 6             | 1             | 1             |
| 1966        | 2                     | 4             | -             | -             |
| 1967        | 7                     | 5             | 3             | -             |
| 1968        | 8                     | 2             | 1             | -             |
| 1969        | 1                     | 1             | 3             | -             |

# Non-Pulmonary Tuberculosis

| <u>Year</u> | <u>Cases Notified</u> |               | <u>Deaths</u> |               |
|-------------|-----------------------|---------------|---------------|---------------|
|             | <u>Male</u>           | <u>Female</u> | <u>Male</u>   | <u>Female</u> |
| 1959        | 1                     | 3             | -             | -             |
| 1960        | -                     | 2             | -             | -             |
| 1961        | 2                     | 2             | 1             | -             |
| 1962        | 1                     | 2             | -             | -             |
| 1963        | 1                     | 1             | -             | -             |
| 1964        | -                     | 4             | -             | -             |
| 1965        | -                     | 1             | -             | 1             |
| 1966        | 3                     | -             | -             | -             |
| 1967        | -                     | 1             | -             | -             |
| 1968        | -                     | 2             | -             | -             |
| 1969        | -                     | -             | -             | -             |

## VENEREAL DISEASES

Treatment of patients suffering from venereal disease is given at the Royal Lancaster Infirmary.

The figures in the following table were kindly supplied by Dr. J.F. MacKay.

|         | <u>Non-Venereal<br/>Conditions</u> | <u>Gonorrhoea</u> | <u>Syphilis</u> | <u>Total<br/>Cases</u> |
|---------|------------------------------------|-------------------|-----------------|------------------------|
| Males   | 36                                 | 25                | 2               | 63                     |
| Females | 11                                 | 7                 | 1               | 19                     |
| Totals  | 47                                 | 32                | 3               | 82                     |

FOOD POISONING

TABLE I. Incidents and Cases

|                  | General Outbreaks<br>No. | Family Outbreaks<br>No. | Sporadic<br>Cases | Total | Total<br>Cases |
|------------------|--------------------------|-------------------------|-------------------|-------|----------------|
| S. Typhimurium   |                          |                         | 1                 | 1     | 1              |
| Other Salmonella |                          |                         | 3                 | 3     | 3              |
| Total            |                          |                         | 4                 | 4     | 4              |

Food Poisoning due to Salmonella other than Typhimurium

|             |  |  |   |   |   |
|-------------|--|--|---|---|---|
| Heidelberg  |  |  | 1 | 1 | 1 |
| Virchow 67R |  |  | 1 | 1 | 1 |
| Brandenburg |  |  | 1 | 1 | 1 |

TABLE II. Salmonella Infections (Not Food Borne)

|                |  |  |   |   |   |
|----------------|--|--|---|---|---|
| S. Typhimurium |  |  | 1 | 1 | 1 |
|----------------|--|--|---|---|---|

Infections due to Salmonella other than Typhimurium (Not Food Borne)

|     |  |  |  |  |  |
|-----|--|--|--|--|--|
| Nil |  |  |  |  |  |
|-----|--|--|--|--|--|

Number of visits: 260    Specimens examined: Negative 112    (See also page 58 )  
Positive 31

# WATER SUPPLY

## Supply:

There were no changes during the year in the source of supply.

## Special comments

Scraping and lining of 12" diameter main - Cross Hill.  
Meter House to Alexandra Road completed in April.

## Service extensions

The following extensions and renewals of services were made during the year.

## New Mains:

|                                               | <u>Diameter</u> | <u>Yards</u> |
|-----------------------------------------------|-----------------|--------------|
| Balmoral Road (Albany Road to West End Road)  | 6"              | 113          |
| Balmoral Road (Albert Road to Ellesmere Road) | 6"              | 109          |
| Fulwood Drive                                 | 6"              | 45           |
| Gringley Road                                 | 6"              | 179          |
| Hampsfell Drive                               | 6"              | 105          |
| Hawkshead Drive                               | 4"              | 35           |
| Haydock Grove                                 | 3"              | 83           |
| Hayfell Avenue                                | 6"              | 98           |
| Hayfell Avenue                                | 4"              | 33           |
| Helmside Avenue                               | 4"              | 72           |
| Heysham Road                                  | 8"              | 250          |
| High Court                                    | 3"              | 43           |
| Out Moss Lane                                 | 3"              | 47           |
| Oxcliffe Road                                 | 6"              | 4            |
| Oxcliffe Road                                 | 4"              | 7            |
| Parkside, Westgate                            | 4"              | 182          |
| Back Royds Avenue                             | 3"              | 2            |
| Sandside Drive, Helmside Avenue               | 4"              | 60           |
| Tarnbrook Road                                | 4"              | 86           |
| White Lund Road /Westgate Junction            | 4"              | 14           |
| K.Dodd Site, White Lund                       | 4"              | 83           |
| Middlegate, White Lund                        | 8"              | 263          |
| Readymix Concrete Ltd., White Lund            | 2"              | 24           |
| Woodhill Farm Estate                          | 4"              | 93           |

## Renewals:

|                                   |     |     |
|-----------------------------------|-----|-----|
| Alice Street                      | 4"  | 193 |
| Devonshire Road                   | 4"  | 69  |
| Green Street                      | 6"  | 235 |
| Heysham Road                      | 4"  | 239 |
| Hillmount Avenue, Hawthorn Avenue | 8"  | 270 |
| Hillmount Avenue, Sugham Lane     | 8"  | 158 |
| Seymour Grove                     | 6"  | 1   |
| Seymour Grove                     | 7"  | 3   |
| Seymour Grove                     | 8"  | 9   |
| Seymour Grove                     | 10" | 182 |
| Westover Street                   | 4"  | 87  |

The purity of the water, checked by bacteriological and chemical analysis, was, on the whole, satisfactory. There was at all times continuous chlorination of all water leaving the two filter houses.

In addition to the 20 examinations carried out by the supplying authority, 180 samples were submitted by the department for bacteriological examination.

Classification:

|                                |     |
|--------------------------------|-----|
| Completely satisfactory        | 171 |
| Coliform organisms in 100 c.c. | 9   |
| Percentage satisfactory        | 95  |

|                       |     |
|-----------------------|-----|
| Number of visits made | 193 |
|-----------------------|-----|

Typical routine chemical and bacteriological analyses of the water are shown in the following tables:-

Chemical examination:

|                         |    |
|-------------------------|----|
| Number of samples taken | 20 |
| By supplying authority  | 4  |

|                                                       | <u>Morecambe</u>    | <u>Heysham</u> |
|-------------------------------------------------------|---------------------|----------------|
|                                                       | (parts per million) |                |
| Total solids in solution                              | 112                 | 96             |
| Oxygen absorbed from permanganate solution in 3 hours | 0.26                | 0.36           |
| Ammonia                                               | Nil                 | Nil            |
| Albuminoid ammonia                                    | 0.02                | 0.015          |
| Nitrite nitrogen                                      | Nil                 | Nil            |
| Nitrate nitrogen                                      | 0.56                | 0.42           |
| Combined chlorine                                     | 11                  | 11             |
| Free chlorine                                         | 0.02                | 0.02           |
| Carbonate hardness                                    | 37                  | 26             |
| Non-carbonate hardness                                | 48                  | 42             |
| Total hardness                                        | 60                  | 50             |
| pH. value                                             | 8                   | 7.5            |
| Copper                                                | Nil                 | Nil            |
| Lead                                                  | 0.01                | Nil            |
| Zinc                                                  | Nil                 | Nil            |
| Iron                                                  | 0.13                | 0.22           |
| Colour (Hazen units)                                  | 5.5                 | 8              |

Fluoride:

|                        |   |                  |
|------------------------|---|------------------|
| Number of examinations | 2 | (0.060<br>0.075) |
|------------------------|---|------------------|

Comment:

The samples consist of moderately soft water. There is no indication of pollution and subject to satisfactory bacteriological reports the supplies may be accepted as being wholesome. The amounts of iron found are insignificantly small and both samples were free from taste and odour both in the cold and on warming.

The following figures give the consumption for the past 10 years:-

| <u>Year</u> | <u>Morecambe</u>   | <u>Heysham</u>     |
|-------------|--------------------|--------------------|
| 1960        | 525,665,000 galls. | 200,506,000 galls. |
| 1961        | 549,542,000 "      | 209,639,000 "      |
| 1962        | 817,121,000 galls. |                    |
| 1963        | 811,469,000 "      |                    |
| 1964        | 841,829,000 "      |                    |
| 1965        | 901,402,000 "      |                    |
| 1966        | 916,885,000 "      |                    |
| 1967        | 862,985,000 "      |                    |
| 1968        | 808,029,000 "      |                    |
| 1969        | 814,560,000 "      |                    |

Daily consumption in 1969 - 2,238,000 galls.

I am obliged to the Engineer and Manager of the Lune Valley Water Board for the supply of some of the statistics referred to.

Heysham Harbour: (Vessels)

|                                         |     |
|-----------------------------------------|-----|
| Number of bacteriological samples taken | 45  |
| % satisfactory                          | 98  |
| Number of chemical samples              | Nil |

## SEWERAGE AND SEWAGE DISPOSAL

I am indebted to the Borough Surveyor for the following information:-

The two main drainage areas closely follow the boundaries of the old Borough of Morecambe and the Urban District Council of Heysham, which existed prior to the amalgamation in 1928.

### Morecambe Drainage Area:

The sewerage and sewage disposal arrangements in this area are adequate following completion of a main drainage scheme at a cost of £2,600,000 in 1959. Minor works have been found necessary since that time. The completion of a 30" diameter sewer between Arnside Crescent and Calton Terrace has eliminated flooding in the latter properties.

### Heysham Drainage Area:

Flooding of properties has occurred throughout the area at times of intensive rainfall for a number of years.

The Consulting Engineers appointed by the Corporation to prepare a main drainage scheme to overcome the problems in this area have completed their investigations. The scheme will shortly be submitted to the Ministry.

The estimated cost of the proposals, which include the construction of a sewage disposal works, is in the region of £2,250,000.

### Dykes and Watercourses:

All main watercourses were cleared and graded during the year. Tidal flaps were regularly inspected and repaired, whilst spraying with approved insecticide was carried out at appropriate times.

## HOUSING

The names on the Housing Officer's list of those living in rooms at the end of the year represented the following family groups:-

|                                                            | <u>1969</u> | <u>1968</u> | <u>1967</u> |
|------------------------------------------------------------|-------------|-------------|-------------|
| Families of 2 (i.e. without children)<br>or single persons | 420         | 311         | 355         |
| Families of 3 or more (i.e. with 1 or<br>more children)    | 119         | 84          | 32          |

### Progress of schemes:

|                                                      | <u>Houses</u> | <u>Flats</u> |
|------------------------------------------------------|---------------|--------------|
| Number of new dwellings erected<br>during the year:- |               |              |
| By the local authority                               | Nil           |              |
| By other local authorities                           | Nil           | Nil          |
| By other bodies or persons                           | 89            | 16           |

Total number of dwellings owned by the local authority at end of  
year - 1206

### Local Authority schemes:

16 flats and 2 shops in course of erection - Kingsway  
Estate.

### Houses in Multiple Occupation:

|                                                 |     |
|-------------------------------------------------|-----|
| Number of houses known                          | 380 |
| Number of houses estimated to need<br>attention | 82  |
| Number of notices served                        | 7   |

### Details regarding separate occupancies in houses in multiple occupation:

| Number of houses with<br>following number of<br>separate occupancies | 2  | 3   | 4  | 5  | 6  | 7  | 8 | 9 | 10 | 11 | 12 | over<br>12 |
|----------------------------------------------------------------------|----|-----|----|----|----|----|---|---|----|----|----|------------|
|                                                                      | 31 | 148 | 78 | 58 | 22 | 16 | 9 | 5 | 3  | 4  | 2  | 4          |

### Sub-standard houses:

Following the survey commenced in 1968, the following  
summary was submitted to the Ministry:

|                                                                | <u>1970</u> | <u>1971</u> | <u>1972</u> | <u>1973</u> |
|----------------------------------------------------------------|-------------|-------------|-------------|-------------|
| Houses likely to be subject to<br>demolition or closing orders | 4           | 5           | 7           | 7           |

## Housing Inspections

### Inspection of dwellings

#### (a) Dwellings inspected under Public Health Acts or Housing Acts:-

|                    |    |
|--------------------|----|
| Public Health Acts | 71 |
| Housing Acts       | 72 |

#### (b) Inspections 173

#### (c) Dwellings in (a) found not to be in all respects reasonably fit but capable of being rendered fit 72

### Houses in which defects were remedied (included in (c))

#### (d) after informal action by local authority - by owner 35

#### (e) after formal action by local authority - Public Health Acts 7

### Unfit houses made fit

#### (f) after informal action by local authority - by owner 2

### Other visits

|                     |    |
|---------------------|----|
| Multiple occupation | 42 |
| Underground rooms   | 9  |
| Miscellaneous       | 48 |
| Informal notices    | 12 |
| Interviews          | 33 |

## Improvement Grants:

### Housing Act, 1949 and Housing (Financial Provisions) Act, 1958:

#### Action during year:

Number of dwellinghouses  
or other buildings affected  
in schemes of:

|                                      | <u>Private bodies or<br/>individuals</u> | <u>Local<br/>Authority</u> |
|--------------------------------------|------------------------------------------|----------------------------|
| (i) submitted by private individuals | 15                                       | -                          |
| (ii) approved by local authority     | 13                                       | -                          |
| (iii) submitted to Minister          | 13                                       | -                          |
| (iv) approved by Minister            | 13                                       | -                          |
| (v) work completed                   | 6                                        | -                          |
| (vi) additional separate dwellings   | -                                        | -                          |
| (vii) any other action               | -                                        | -                          |

Standard Grants:

House Purchase and Housing Act, 1959 and Housing Acts,  
1961 and 1964:

Action during year:

Number of dwellings or  
other buildings affected

|       |                                                                    |    |
|-------|--------------------------------------------------------------------|----|
| (i)   | applications submitted to<br>local authority for improvement<br>to |    |
| (a)   | full standard                                                      | 13 |
| (b)   | reduced standard                                                   | 4  |
| (ii)  | applications approved                                              |    |
| (a)   | full standard                                                      | 13 |
| (b)   | reduced standard                                                   | 4  |
| (iii) | work completed                                                     | 11 |
| (iv)  | compulsory improvement                                             | -  |

Rent Act, 1957:

|                                           |     |
|-------------------------------------------|-----|
| Application for certificates of disrepair | Nil |
| Notice of intention to issue certificates | Nil |
| Certificates issued                       | Nil |
| Certificates cancelled                    | Nil |
| Undertakings given by landlords           | Nil |
| Visits                                    | 1   |
| Revisits                                  | 1   |
| Interviews                                | 1   |

Houses in Clearance Areas and Unfit Houses elsewhere

Quarterly Return (Summary)

| A. Houses Demolished | Houses<br>Demolished | <u>Displaced</u>           |                             |
|----------------------|----------------------|----------------------------|-----------------------------|
|                      |                      | <u>C</u><br><u>Persons</u> | <u>D</u><br><u>Families</u> |

In or adjoining Clearance Areas:

|                                                                |   |   |   |
|----------------------------------------------------------------|---|---|---|
| Houses unfit for human habitation                              | - | - | - |
| Houses included by reason of bad arrangements, etc.            | - | - | - |
| Houses on land acquired under Section 43 (2) Housing Act, 1957 | - | - | - |

Not in or adjoining Clearance Areas:

|                                                                                                |   |   |   |
|------------------------------------------------------------------------------------------------|---|---|---|
| As a result of formal or informal<br>procedure under Section 16 or 17<br>(1) Housing Act, 1957 | - | - | - |
| Local Authority owned houses certified<br>unfit by the Medical Officer of Health               | - | - | - |
| Houses unfit for human habitation where<br>action has been taken under local Acts              | - | - | - |
| Unfit houses included in Unfitness<br>Orders                                                   | - | - | - |
| Number of dwellings included above<br>which were previously reported as<br>closed              | - | - | - |

B. Unfit Houses Closed

|                                                                  |   |   |   |
|------------------------------------------------------------------|---|---|---|
| Under Section 16(4), 17(1) and 35(1)<br>Housing Act, 1957        | 1 | 5 | 1 |
| Under Section 17(3) and 26,<br>Housing Act, 1957                 | - | - | - |
| Parts of buildings closed under<br>Section 18, Housing Act, 1957 | - | - | - |

E. Unfit Houses Made Fit

|                                               | <u>By Owner</u> | <u>By L.A.</u> |
|-----------------------------------------------|-----------------|----------------|
| After informal action by local<br>authority   | 2               | -              |
| After formal notice under                     |                 |                |
| (a) Public Health Acts                        | -               | -              |
| (b) Sections 9 and 16 Housing Act, 1957       | -               | -              |
| Under Sections 24 and 27 Housing Act,<br>1957 | -               | -              |

F. Houses in which defects were remedied after  
formal notice under Public Health Acts

|                                                 |          |     |
|-------------------------------------------------|----------|-----|
| (From October)                                  |          |     |
| Formal action under S.9(1) Housing<br>Act, 1957 | By Owner | Nil |
|                                                 | By L.A.  | Nil |
| After informal action                           | By L.A.  | 2   |

G. Unfit houses in Temporary Use

Nil

H. Purchase of houses by agreement

Nil

## PORT HEALTH ADMINISTRATION

The general administrative arrangements were unchanged and the usual work was satisfactorily carried out.

There were 168 vessels from foreign ports, and there were no cases of infectious disease landed from any vessel.

|                                     |     |
|-------------------------------------|-----|
| Number of visits to Heysham Harbour | 60  |
| Number of beasts examined           | 52  |
| Number of visits to slaughterhouse  | 26  |
| Number of visits re food inspection | Nil |
| Number of visits re water supply    | 27  |
| Number of water samples taken       | 45  |

### Section I - Staff

Table A

| Name of Officer | Nature of Appointment       | Date of Appointment | Qualifications                                  | Any other appointment held       |
|-----------------|-----------------------------|---------------------|-------------------------------------------------|----------------------------------|
| J.V.Dyer        | Port Medical Officer        | 1.9.68              | M.B., B.S.,<br>M.R.C.S.,<br>L.R.C.P.,<br>D.P.H. | Medical Officer of Health        |
| W.R.Falconer    | Deputy Port Medical Officer | 1.7.67              | M.B., Ch.B.,<br>D.P.H.                          | Deputy Medical Officer of Health |

Address and telephone number of the Medical Officer of Health:-

Public Health Department, Town Hall, Morecambe and Heysham -  
Telephone: Morecambe 720

Section II - Amount of shipping entering the district  
during the year

Table B

| <u>Ships<br/>from</u> | <u>Number</u> | <u>Tonnage</u> | <u>Inspected by<br/>Medical<br/>Officer<br/>of<br/>Health</u> | <u>Public<br/>Health<br/>Inspec-<br/>tor</u> | <u>Ships reported as<br/>having, or having had<br/>during the voyage,<br/>infectious disease on<br/>board</u> |
|-----------------------|---------------|----------------|---------------------------------------------------------------|----------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Foreign<br>Ports      | 168           | 45,813         | -                                                             | -                                            | Nil                                                                                                           |
| Coast-<br>wise        | 1,976         | 1,282,424      | -                                                             | -                                            | Nil                                                                                                           |
| Total                 | 2,144         | 1,328,237      | -                                                             | -                                            | Nil                                                                                                           |

Section III - Character of shipping and trade during the year

Table C

|                            |                      |          |         |
|----------------------------|----------------------|----------|---------|
| <u>Passenger traffic :</u> | Number of passengers | INWARDS  | 176,625 |
|                            | Number of passengers | OUTWARDS | 168,329 |

In addition, during the summer months, 6,553 passengers were carried on day trips to Douglas, Isle of Man, and 6,350 passengers returned to Heysham.

Cargo traffic:

Principal IMPORTS: Cotton, Linens, Tobacco  
and Sundry Merchandise

|                                   | <u>Total Imports</u> |      |
|-----------------------------------|----------------------|------|
| Belfast                           | 156,233              | tons |
| Dublin                            | 88                   |      |
| Other container traffic           | 25,705               |      |
| Liquified ammonia gas (Coastwise) | 552                  |      |
| Liquified ammonia gas (Foreign)   | 2,004                |      |
| Other traffic                     | 800                  |      |
|                                   | <hr/>                |      |
|                                   | 185,382              |      |

Principal EXPORTS:      Sundry Merchandise, Chemical  
Fertilisers and Machinery

|                         |         |      |
|-------------------------|---------|------|
| Belfast                 | 236,860 | tons |
| Chemical Fertilisers    | 1,999   |      |
| Liquified ammonia gas:  |         |      |
| Foreign                 | 23,722  |      |
| Coastwise               | 19,440  |      |
| Other container traffic | 33,345  |      |
| Oil:                    |         |      |
| Foreign                 | 23,473  |      |
| Coastwise               | 190,148 |      |
| Dublin                  | 166     |      |
| Bunker coal             | 156     |      |

Livestock - Imports and Exports

Imports:

|         | <u>Horses</u> | <u>Cattle</u> | <u>Sheep</u> | <u>Pigs</u> | <u>Others</u> |
|---------|---------------|---------------|--------------|-------------|---------------|
| Belfast | 476           | 30,127        | -            | 1           | 37            |

Exports:

|         |     |    |    |    |   |
|---------|-----|----|----|----|---|
| Belfast | 256 | 75 | 42 | 56 | 5 |
|---------|-----|----|----|----|---|

Principal ports from which ships arrive:    Belfast,  
Londonderry and Dublin.

Section IV - Inland barge traffic

Nil

Section V - Water supply

- Source of supply for (a) the district, and (b) shipping.  
Town supply for both (Lune Valley Water Board).
- Report of tests for contamination.  
Bacteriological and chemical satisfactory.
- Precautions taken against contamination of hydrants and  
hosepipes.  
Usual.
- Number and sanitary condition of water boats, and powers of  
control by the Local Authority.  
None employed.

Section VI - Public Health (Ships) Regulations, 1966/1968

- List of Infected Areas (Regulation 6).

Arrangements for the preparation and amendment of the list,  
the form of the list, the persons to whom it is supplied, and  
the procedure of supplying it to those persons.

The weekly record of infected areas supplied by the World Health Organisation is forwarded to the Waterguard Office for the information of Customs Officers and copy retained by Medical Officer.

2. Radio Messages.

(a) Arrangements for sending permission by radio for ships to enter the district (Regulation 13).

Not ordinarily needed but arrangements have been made for messages to be given immediately by Railway Executive and Shipping Agent to Waterguard Office.

(b) Arrangements for receiving messages by radio from ships and for acting thereon. (Regulation 14(1) and (2)).

See notes to (a) above.

3. Notifications Otherwise Than By Radio (Regulation 14(1)(b)).

Arrangements for receiving notifications otherwise than by radio and for acting thereon.

This is usually received by the Customs Officer and handed later to the Local Authority.

4. Mooring Stations (Regulations 22 to 30).

Situation of stations, any standing directions issued under these Regulations.

(a) Inner Mooring - for cases of smallpox and typhus

(i) West wall inside Harbour - small ships.

(ii) Ocean Jetty end - large ships.

(b) Outer Mooring - for cases of cholera, yellow fever and plague (at Lune Deeps).

Standing Exemptions

(a) All ordinary notifiable infectious diseases other than those specified above.

(b) Ships otherwise clean, which have arrived from a listed port in an infected area.

5. Arrangements for

(a) Hospital accommodation for infectious diseases (other than smallpox - see Section VII).

An infectious diseases hospital at Lancaster is available for all cases except smallpox. For smallpox cases the Regional Hospital Board will make arrangements.

(b) Surveillance and follow up of contacts.

A contact under surveillance and resident in the Borough would be visited daily during the incubation period of the disease. A contact moving outside the Borough would be instructed to visit the Health Department of the area to which he was moving and the Medical Officer of Health of that area would be notified to expect his arrival and given his proposed address.

(c) Cleansing and disinfection of ships, persons, clothing and other articles.

A steam disinfecter is provided for bedding and clothing.

Appliances and materials are available for the disinfecting of ships and this would be carried out by the Health Department staff.

Section VII - Smallpox

1. Name of Isolation Hospital to which smallpox cases are sent from the district.

Regional Hospital Board will make arrangements.

2. Arrangements for transport of such cases to that hospital by ambulance giving the name of the Authority responsible for the ambulance and vaccinal state of ambulance crews.

A special motor ambulance is available with attendants.

3. Name(s) of smallpox (consultant(s) available.

Dr.A.G.Ironside, Monsall Hospital, Manchester.

4. Facilities for laboratory diagnosis of smallpox.

Either the suspect would be immediately removed to the hospital designated by the Regional Hospital Board and the laboratory investigation undertaken from there, or the material would be sent to the laboratory chosen by the smallpox consultant, probably Liverpool.

Section VIII - Venereal Diseases

Information as to the location, days and hours of the available facilities for the diagnosis and treatment of venereal disease among merchant seamen under international arrangements, including in-patient treatment and the steps taken to make these facilities known to seamen.

No special arrangement for sailors. There is a clinic at the Royal Lancaster Infirmary.

Section IX - Cases of notifiable and other infectious  
diseases on ships

Table D - Nil return

Section X - Observations on the occurrence of malaria  
in ships

Nil return

Section XI - Measures taken against ships infected with or  
suspected of plague

None needed

Section XII - Measures taken against rodents in ships from  
foreign ports

1. Procedure for inspection of ships for rats.

Ships with expired certificates sent to Barrow.

2. Arrangements for the bacteriological or pathological examination of rodents, with special reference to rodent plague, including the number of rodents sent for examination during the year.

Submitted to pathologist ordinarily employed by the Public Health Authority. Usually the pathologist attached to the Public Health Laboratory, Preston. No rodents sent.

3. Arrangements in the district for deratting ships, the method used, and, if done by a commercial contractor, the name of the contractor.

Not carried out.

4. Progress in the rat-proofing of ships.

Not carried out.

Table E

Rodents destroyed during the year in ships from foreign ports.

Not known

Table F

Deratting certificates and Deratting Exemption certificates issued during the year for ships from foreign ports.

Nil

Section XIII - Inspection of ships for nuisances

Table G

Inspections and Notices

|                                   |     |
|-----------------------------------|-----|
| Number of informal notices served | Nil |
| Remedied                          | Nil |

Vessels boarded - no action necessary

Section XIV - Public Health (Shell-fish) Regulations, 1934  
and 1948

Information respecting any shell-fish beds or laying within the jurisdiction of the Authority stating whether they are, in the opinion of the Medical Officer of Health, liable to pollution. A report of any action taken, which should state whether any prohibited area has been prescribed, should be included.

Under the Heysham and Morecambe Bay (Shell-fish) Regulations, 1926, an area of Morecambe Bay was prescribed and any mussels taken from this area must be subject to an approved process of cleansing or sterilisation before being made available for human consumption. The cleansing process is carried out at Portmadoc, North Wales.

No further action under the Public Health (Shell-fish) Regulations, 1934 and 1948 has been necessary.

Section XV - Medical Inspection of Aliens (applicable only to  
ports approved for the landing of aliens)

Nil - Not a port approved for the landing of aliens.

Section XVI - Miscellaneous

Arrangements for the burial on shore of persons who have died on board ship from infectious diseases.

By arrangement with local undertaker for cremation.

## NATIONAL ASSISTANCE ACT, 1946 - SECTION 47

Although there are many elderly people living in this Borough, the provisions of this Act for the removal to suitable premises of persons in need of care and attention are such as one would hope to avoid having to use.

Up till now it has always been possible to make for elderly people found living alone in somewhat precarious circumstances, arrangements less distressing for them than the measure that the Act provides.

### TREATMENT CENTRES AND CLINICS

The Tuberculosis and Venereal Diseases Clinics are administered by the Regional Hospital Board, and the School and Maternity and Child Welfare Clinics by the County Council.

### LABORATORY AND HOSPITAL FACILITIES

Laboratory investigations are carried out by Dr.L.Robertson and his staff at the Public Health Laboratory, Preston, and samples taken in accordance with the Food and Drugs Act, 1955, are analysed by the Public Analyst, Mr.A.C.Bushnell of Preston. To Dr.Robertson and Mr.Bushnell, I am grateful for the guidance and help that they are always so willing to give.

Public Health Department,  
Town Hall,  
Morecambe and Heysham.

Mr. Mayor, Ladies and Gentlemen,

I beg to present to you my Annual Report on the sanitary circumstances of the Borough during 1969.

The vacancy in the public health inspectorate caused by the retirement of Mr. T. H. Ashbrook was filled in March by the appointment of Mr. G. A. Yates, after 3 years service with the Metropolitan Borough Council of Islington. Mr. Yates was the first pupil public health inspector to be trained in the department, and is therefore no stranger to Morecambe, and we extend to him a hearty welcome. During the year Mr. Peter H. Lord, junior clerk, obtained the necessary qualifications to enable him to register as a pupil public health inspector, thus our training programme is assured for another 3 years. I am most grateful to the Health and Housing Committee for the interest they have shown in the training of the personnel of the future.

I am very pleased to report that our association with the College of Further Education in the teaching of Food Hygiene has again been made possible by a re-arrangement of teaching sessions in the evening. This is a worthwhile exercise, particularly in a holiday resort where catering is a major industry.

The work of a public health department is often unspectacular and mundane, but its influence in the promotion of public health is inestimable, and the following pages of statistical information indicate a year of painstaking work by your inspectorate. During the year, extensive reconstruction and modernisation at one of the private slaughterhouses has been carried out in consultation with the veterinary officers of the Ministry of Agriculture, Fisheries and Food; this will result in increased throughput and some reorganisation of the meat inspection service will be required to meet the new demands.

I wish to record my thanks and appreciation to the Chairman and members of the Health and Housing Committee for their interest and support in our work, to Dr. J. V. Dyer and Dr. W. R. Falconer for their help and assistance in our problems, and to my colleagues in other departments for their co-operation and the provision of information for inclusion in this report.

Finally, I am deeply indebted to every member of the staff for their conscientious work throughout the year, and for their valued assistance in the preparation of this report.

I have the honour to be, Mr. Mayor, Ladies and Gentlemen,

Your obedient servant,

SPENCER A. GIBSON

Chief Public Health Inspector

PUBLIC HEALTH ACT, 1936

Inspections:

|                                    |     |
|------------------------------------|-----|
| Visits re complaints               | 850 |
| Defects discovered                 | 700 |
| Defects abated                     | 569 |
| Referred to other departments      | 138 |
| Revisits                           | 672 |
| Miscellaneous visits               | 182 |
| Informal notices served            | 47  |
| Abatement notices served           | 24  |
| Visits to schools                  | 1   |
| Visits to licensed premises        | 9   |
| Visits to entertainment premises   | 11  |
| Visits to business premises        | 27  |
| Visits to undeveloped land         | 1   |
| Visits to contractors              | 19  |
| Interviews                         | 352 |
| Agricultural land (Safety, Health) | 17  |

Summary of work done:

|               |     |
|---------------|-----|
| Drains choked | 481 |
|---------------|-----|

(Many of the drains included in the above are properly named "Sewers" as they serve more than one building and legally are maintained either privately or by the Council doing the work at the expense of the owners served. They are classified as drains in this summary to distinguish them from the Council's sewers.)

|                                 |    |
|---------------------------------|----|
| Drains defective                | 21 |
| Sewer choked                    | 5  |
| Gully defective                 | 8  |
| W.C. defective                  | 6  |
| Inspection chamber cover broken | 2  |
| R.W.Downspout broken            | 6  |
| Eavesgutter broken              | 1  |
| Roof leaking                    | 11 |
| Walls, defective                | 45 |
| Windows, perished woodwork      | 8  |
| Water in cellar                 | 56 |
| Offensive smell in premises     | 19 |
| Flooded area                    | 2  |
| Water over site and under floor | 6  |
| Accumulation of refuse          | 23 |

Drainage:

|                            |     |
|----------------------------|-----|
| Visits (existing drainage) | 353 |
| Revisits                   | 352 |
| Visits (new or proposed)   | 6   |
| Visits (public sewers)     | 16  |
| Revisits                   | 5   |
| Drains tested              | 242 |
| Informal notices           | 10  |
| Formal notices             | 4   |

Supply of dust bins:

|        |   |
|--------|---|
| Visits | 4 |
|--------|---|

### Stables and Piggeries:

Visits 13

## Disinfestations:

|                                        |     |
|----------------------------------------|-----|
| Number of verminous houses inspected   | 8   |
| Number of verminous houses reinspected | 7   |
| Number of verminous disinfested        | 5   |
| Wasps nests destroyed                  | 21  |
| Number of premises treated for insects | 129 |
| Number of visits by inspectors         | 8   |

Offensive trades:

There is only one in the Borough, that of gut scraping, which was satisfactorily conducted.

|                  |    |
|------------------|----|
| Number of visits | 21 |
|------------------|----|

Keeping of animals:

|                  |    |
|------------------|----|
| Number of visits | 13 |
|------------------|----|

Dykes and watercourses:

|                  |   |
|------------------|---|
| Number of visits | 5 |
|------------------|---|

Closet accommodation:

|                                                 |                |
|-------------------------------------------------|----------------|
| Number of houses not on water carriage system   | Nil            |
| Number of fresh water closets                   | 18,200 approx. |
| Number of waste water closets                   | 13             |
| Number of middens                               | Nil            |
| Number of closets attached to middens           | Nil            |
| Number of dry ashpits (excluding middens)       | Nil            |
| Number of moveable ashbins                      | 22,000 approx. |
| Number of houses with septic tanks or cesspools | 23             |

CLEAN AIR ACT, 1956

|                            |     |
|----------------------------|-----|
| Number of visits           | 123 |
| Number of observations     | 24  |
| Number of informal notices | 9   |

RIDING ESTABLISHMENTS ACT, 1964

|                                         |   |
|-----------------------------------------|---|
| Number of visits                        | 4 |
| Number of visits by veterinary surgeons | 4 |
| Number of riding establishments         | 4 |

PET ANIMALS ACT, 1951

This Act regulates the sale of pet animals, and provides that no person shall keep a pet shop except under the authority of a licence granted by the Local Authority.

|                             |   |
|-----------------------------|---|
| Number of premises licensed | 7 |
| Number of visits            | 9 |

ANIMAL BOARDING ESTABLISHMENTS ACT, 1963

|                                |   |
|--------------------------------|---|
| Number of premises on register | 1 |
| Number of visits               | 6 |

RAG FLOCK AND OTHER FILLING MATERIALS ACT, 1951

|                               |     |
|-------------------------------|-----|
| Number of premises registered | 8   |
| Number of visits              | Nil |

SCRAP METAL DEALERS ACT, 1964

|                    |    |
|--------------------|----|
| Number of visits   | 30 |
| Number on register | 29 |

NOISE ABATEMENT ACT, 1960

Since the introduction of the Noise Abatement Act, 1960, unnecessary or unreasonable noise has been made a statutory nuisance, and the power to abate such nuisance has been delegated to health committees. Local authorities are charged under the Public Health Act, 1936, with the responsibility of seeing that their district is inspected from time to time for the detection of statutory nuisances.

This Act is not an easy one to enforce as the measurement of noise, and the interpretation of results, is very complex.

|                                   |    |
|-----------------------------------|----|
| Number of complaints              | 18 |
| Number of visits                  | 50 |
| Number of revisits                | 81 |
| Number of miscellaneous visits    | 3  |
| Number of observations            | 12 |
| Number of informal notices served | 3  |

#### CAMPING SITES

|                                               |        |
|-----------------------------------------------|--------|
| Visits to licensed sites                      | 27     |
| Visits to unlicensed sites                    | 5      |
| Visits to proposed sites                      | 4      |
| Number of site licences                       | 9      |
| Number of caravans permanently occupied       | 190    |
| Number of caravans concerned in site licences | 1136 * |
| Number of tent licences                       | 1      |
| * Private                                     | 774    |
| * Municipal                                   | 300    |
| * Municipal (Tourers)                         | 62     |

#### Municipal Camp:

1,700 caravans used the site during the year; of these, 250 holiday caravans and 50 residential, were sites for the full season; 130 paid the additional fee for the privilege of sub-letting; 1,400 used the site for short periods, and 247 caravans were left on the site for winter storage.

These figures show a considerable increase over any previous year.

The following tabulation shows the yearly increase in touring caravans visiting the municipal site.

|      |       |
|------|-------|
| 1959 | 212   |
| 1961 | 358   |
| 1962 | 336   |
| 1963 | 343   |
| 1964 | 464   |
| 1965 | 644   |
| 1966 | 719   |
| 1967 | 1,030 |
| 1968 | 1,363 |
| 1969 | 1,400 |

#### Tenting sites:

There is one licensed site in continuous use during the season.

SHOPS ACT, 1950 and YOUNG PERSONS (EMPLOYMENT) ACT, 1938

During the year 82 visits were made to shops and other similar premises.

The visits, as in previous years, show a decrease on earlier years as the Council now have no full-time shops inspector. One of the public health inspectors was appointed as shops inspector and all complaints have been attended to.

OFFICES, SHOPS AND RAILWAY PREMISES ACT, 1963

Registration and General Inspections:

| <u>Class of Premises</u>                                                             | <u>Premises newly registered during year.</u> | <u>Registered premises at end of year.</u> | <u>Registered premises receiving general inspection during year.</u> |
|--------------------------------------------------------------------------------------|-----------------------------------------------|--------------------------------------------|----------------------------------------------------------------------|
| Offices                                                                              | 8                                             | 122                                        | 52                                                                   |
| Retail shops                                                                         | 16                                            | 388                                        | 173                                                                  |
| Wholesale departments, Warehouses                                                    | 1                                             | 22                                         | 5                                                                    |
| Catering establishments open to the public, Canteens                                 | 5                                             | 119                                        | 29                                                                   |
| Fuel storage depots                                                                  | Nil                                           | Nil                                        | Nil                                                                  |
| Total                                                                                | 30                                            | 651                                        | 259                                                                  |
| Number of visits of all kinds (including general inspections) to registered premises |                                               |                                            | 652                                                                  |

Analysis of persons employed in registered premises by workplace:

| <u>Class of workplace</u>                  | <u>Number of persons employed</u> |
|--------------------------------------------|-----------------------------------|
| Offices                                    | 855                               |
| Retail shops                               | 1,339                             |
| Wholesale departments, Warehouses,         | 120                               |
| Catering establishments open to the public | 1,365                             |
| Canteens                                   | 8                                 |
| Fuel storage depots                        | Nil                               |
| Total                                      | 3,687                             |

Total males: 1,257      Total females: 2,430

Analysis of Contraventions:

| <u>Sections</u> | <u>Number of contraventions found</u> |      |
|-----------------|---------------------------------------|------|
| 4               | Cleanliness                           | 9    |
| 5               | Overcrowding                          | Nil  |
| 6               | Temperature                           | 15   |
| 7               | Ventilation                           | 6    |
| 8               | Lighting                              | 1    |
| 9               | Sanitary conveniences                 | 17   |
| 10              | Washing facilities                    | 13   |
| 11              | Supply of drinking water              | Nil. |
| 12              | Clothing accommodation                | 1    |
| 13              | Sitting facilities                    | Nil  |
| 14              | Seats (Sedentary workers)             | Nil  |
| 15              | Eating facilities                     | Nil  |
| 16              | Floors, passages and stairs           | 13   |
| 17              | Fencing exposed parts of machinery    | 4    |
| 18              | Protection from dangerous machinery   | Nil  |
| 19              | Training with dangerous machinery     | Nil  |
| 20              | Hoists and Lifts                      | 3    |
| 23              | Prohibition of heavy work             | Nil  |
| 24              | First aid                             | 19   |
| 50              | Abstract                              | 29   |
| Total           |                                       | 130  |

Reported accidents

| Workplace                                                   | Reported |              | Total<br>invest-<br>igated | Action taken     |                   |                    |              |
|-------------------------------------------------------------|----------|--------------|----------------------------|------------------|-------------------|--------------------|--------------|
|                                                             | Fatal    | Non<br>Fatal |                            | Prose-<br>cution | Formal<br>warning | Informal<br>advice | No<br>action |
| Offices                                                     |          |              |                            |                  |                   |                    |              |
| Retail shops                                                |          | 3            | 2                          |                  |                   | 1                  | 1            |
| Wholesale shops<br>Warehouses                               |          | 1            | Nil                        |                  |                   |                    |              |
| Catering estab-<br>lishments open<br>to public,<br>Canteens |          | 1            | Nil                        |                  |                   |                    |              |
| Fuel storage<br>depots                                      |          |              |                            |                  |                   |                    |              |
| Totals                                                      |          | 5            | 2                          |                  |                   | 1                  | 1            |

Analysis of reported accidents

|                  | Offices | Retail<br>shops | Whole-<br>sale<br>ware-<br>houses | Catering<br>establishments<br>open to public<br>Canteens | Fuel<br>storage<br>depots |
|------------------|---------|-----------------|-----------------------------------|----------------------------------------------------------|---------------------------|
| Falls of persons |         | 3               | 1                                 |                                                          |                           |
| Handling goods   |         |                 |                                   | 1                                                        |                           |

# FACTORIES ACT, 1961

1. Inspections for purposes of provisions as to health (including inspections made by Public Health Inspectors)

| Premises                                                                                                     | Number on Register | Number of   |                 |                      |
|--------------------------------------------------------------------------------------------------------------|--------------------|-------------|-----------------|----------------------|
|                                                                                                              |                    | Inspections | Written notices | Occupiers prosecuted |
| (i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities                     | 5                  | 2           | -               | -                    |
| (ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority                     | 165                | 52          | 3               | -                    |
| (iii) Other premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises) | 3                  | 7           | -               | -                    |
| Total                                                                                                        | 173                | 61          | 3               | -                    |

2. Cases in which defects were found

| Particulars                                                                 | Number of cases in which defects were found |          |                   |                            | Number of cases in which prosecutions were instituted |
|-----------------------------------------------------------------------------|---------------------------------------------|----------|-------------------|----------------------------|-------------------------------------------------------|
|                                                                             | Found                                       | Remedied | To H.M. Inspector | Referred By H.M. Inspector |                                                       |
| Want of cleanliness (S.1)                                                   | -                                           | -        | -                 | -                          | -                                                     |
| Overcrowding (S.2)                                                          | -                                           | -        | -                 | -                          | -                                                     |
| Unreasonable temperature (S.3)                                              | -                                           | -        | -                 | -                          | -                                                     |
| Inadequate ventilation (S.4)                                                | -                                           | -        | -                 | -                          | -                                                     |
| Ineffective drainage of floors (S.6)                                        | -                                           | -        | -                 | -                          | -                                                     |
| Sanitary conveniences (S.7)                                                 | 1                                           | -        | -                 | 1                          | -                                                     |
| (a) Insufficient                                                            | 3                                           | 3        | -                 | -                          | -                                                     |
| (b) Unsuitable or defective                                                 | -                                           | -        | -                 | -                          | -                                                     |
| (c) Not separate for sexes                                                  | -                                           | -        | -                 | -                          | -                                                     |
| Other offences against the Act (not including offences relating to outwork) | -                                           | -        | -                 | -                          | -                                                     |
| Total                                                                       | 4                                           | 3        | -                 | 1                          | -                                                     |

Outworkers: Dresses 1; Knitting 2; Visits 1.

## RODENT CONTROL

|                                               |       |
|-----------------------------------------------|-------|
| Visits by rodent operators                    | 4,125 |
| Premises visited                              | 1,137 |
| Visits by inspectors                          | 8     |
| Vessels examined - Rodent Control Certificate | 18    |

### Rodent control in sewers:

Maintenance treatments of sewer manholes were continued in accordance with the requirements of the Ministry of Agriculture. 62 manholes were treated with the following results:-

|                                                    |          |     |
|----------------------------------------------------|----------|-----|
| Number of manholes showing direct poison bait take | Complete | Nil |
|                                                    | Partial  | 2   |

| <u>Type of Property</u> |                     |
|-------------------------|---------------------|
| <u>Non-</u>             |                     |
| <u>Agricultural</u>     | <u>Agricultural</u> |

### Properties other than sewers:

|    |                                                                                                   |        |     |
|----|---------------------------------------------------------------------------------------------------|--------|-----|
| 1. | Number of properties in district                                                                  | 17,758 | 42  |
| 2. | (a) Total number of properties (including nearby premises) inspected following notification       | 1,876  | 12  |
|    | (b) Number infested by (i) Rats                                                                   | 101    | 2   |
|    | (ii) Mice                                                                                         | 211    | -   |
| 3. | (a) Total number of properties inspected for rats and/or mice for reasons other than notification | 1,723  | 471 |
|    | (b) Number infested by (i) Rats                                                                   | 70     | 53  |
|    | (ii) Mice                                                                                         | 123    | -   |

### Sewers:

|    |                                                   |     |
|----|---------------------------------------------------|-----|
| 4. | Were any sewers infested by rats during the year? | Yes |
|----|---------------------------------------------------|-----|

### Surface properties and sewers:

|    |                               |
|----|-------------------------------|
| 5. | Any other points of interest? |
|----|-------------------------------|

An increase in the number of mice infestations reported and the lack of an effective poison to control them satisfactorily is the only difficulty encountered by this Authority.

INSPECTION AND SUPERVISION OF FOOD  
AND FOOD PREMISES

Number of food premises, by type of business, in the district at end of year:

| <u>Type of Business</u>                                                                                | <u>No.</u>    |
|--------------------------------------------------------------------------------------------------------|---------------|
| Boarding houses                                                                                        | 1,860 approx. |
| Restaurant kitchens                                                                                    | 290 approx.   |
| Grocers                                                                                                | 105           |
| Greengrocers                                                                                           | 38            |
| Fishmongers                                                                                            | 23            |
| Butchers                                                                                               | 46            |
| Fried fish shops                                                                                       | 31            |
| Offensive trades                                                                                       | 1             |
| Shops selling mainly sugar confectionery, minerals, ice-cream, etc.                                    | 112           |
| Shrimp pickers                                                                                         | 24            |
| Licensed premises, clubs, canteens, restaurants, cafes, snack bars and similar catering establishments | 2,100 approx. |
| Bakehouses                                                                                             | 28            |

Number of food premises, by type, registered under S.16 of the Food and Drugs Act or under local Acts:

| <u>Type of Business</u>                                                | <u>No. registered</u> | <u>No. of inspections of registered premises during the year.</u> |
|------------------------------------------------------------------------|-----------------------|-------------------------------------------------------------------|
| Fish friers                                                            | 31                    | 60                                                                |
| Sausages, potted, pressed, pickled and preserved food plus fish frying | 56                    | 73                                                                |
| Potted food (shrimp picking)                                           | 24                    | 58                                                                |
| Ice-cream (sale and storage)                                           | 204                   | 217                                                               |
| Ice-cream (manufacture only)                                           | 12                    | 87                                                                |
| Food stores, food hawkers under the L.C.C. (General Powers) Act        | 8                     | 14                                                                |

Special examination of food stocks or consignments during year:

|                       |   |
|-----------------------|---|
| Refrigeration failure | 4 |
|-----------------------|---|

## FOOD PREMISES

### \* Inspections:

|                                        |     |
|----------------------------------------|-----|
| Bakehouses                             | 39  |
| Restaurant kitchens and snack bars     | 231 |
| Food preparation premises (registered) | 73  |
| Fish friers                            | 60  |
| Food stores                            | 3   |
| Proposed food premises                 | 33  |
| School kitchens                        | 2   |
| Holiday camps                          | 6   |
| Canteens                               | 3   |
| Stalls                                 | 173 |
| Markets                                | 42  |
| Licensed premises                      | 35  |
| Miscellaneous                          | 215 |
| Shrimp picking premises                | 58  |
| Boarding houses                        | 98  |
| Vehicles                               | 12  |
| Contractors                            | 6   |
| Informal notices and verbal warnings   | 190 |
| Interviews                             | 292 |

There are 36 bakehouses on the register, 28 in use and 8 not in use.

\* Excluding those visits listed separately.

### Contraventions discovered:

#### Premises:

|                                               |     |
|-----------------------------------------------|-----|
| Dirty or defective equipment                  | 18  |
| Food exposed to contamination                 | 6   |
| Lack of personal cleanliness                  | 11  |
| Defective drainage                            | 7   |
| Defective or inadequate sanitary conveniences | 57  |
| Dirty sanitary conveniences                   | 4   |
| Inadequate cold water supply                  | Nil |
| ( Inadequate hot water supply                 | 5   |
| ( Inadequate wash hand basin                  | 10  |
| ( Absence of soap, nail brushes etc.          | 36  |
| ( Inadequate sinks                            | Nil |
| ( Inadequate hot water supply                 | 1   |
| Absence of first aid equipment                | 8   |
| Outdoor clothing in food room                 | 13  |
| Inadequate lighting                           | 3   |
| Inadequate ventilation                        | 2   |
| Defective construction of food rooms          | 74  |
| Lack of cleanliness of food rooms             | 12  |
| Inadequate refuse accommodation               | 16  |
| Smoking whilst preparing food                 | 10  |
| Animals in food rooms                         | 2   |
| Insect infestations                           | 2   |
| Inadequate food storage                       | 19  |

Stalls:

|                             |     |
|-----------------------------|-----|
| Absence of name and address | 4   |
| Inadequate screening        | 3   |
| Inadequate water supply     | Nil |
| Inadequate hot water supply | Nil |
| Absence of wash hand basin  | 1   |
| Absence of first aid kit    | 1   |

Delivery vehicles:

|                                       |     |
|---------------------------------------|-----|
| Defective vehicle floor               | Nil |
| Absence of head covering and overalls | Nil |

Registered Premises:

|                                                                                | <u>Register</u><br>1.1.69 | <u>Additions</u> | <u>Deletions</u> | <u>Register</u><br>31.12.69 |
|--------------------------------------------------------------------------------|---------------------------|------------------|------------------|-----------------------------|
| 1. Fish friers                                                                 | 32                        | -                | 1                | 31                          |
| 2. Sausages, pressed, potted,<br>pickled and preserved food                    | 56                        | 1                | 1                | 56                          |
| 3. Sausages, pressed, potted,<br>pickled and preserved food<br>plus fried fish | 1                         | -                | -                | 1                           |
| 4. Potted (shrimp picking)                                                     | 34                        | 2                | 12               | 24                          |
| Total                                                                          | 123                       | 3                | 14               | 112                         |

During the year, the Council approved the transfer of 7 certificates.

MILK DISTRIBUTION

| <u>Register</u>            | <u>Distributors</u> | <u>Dairies</u> |
|----------------------------|---------------------|----------------|
| Total on Register 1.1.69   | 130                 | 12             |
| Transfers                  | 8                   | 2              |
| Deletions                  | 9                   | -              |
| Additions                  | 8                   | -              |
| Total on Register 31.12.69 | 129                 | 12             |

Distributors

|                             |       |
|-----------------------------|-------|
| Producer Distributors       | 2     |
| Distributors                | 14    |
| Distributors from shops     | 92    |
| Distributors from dairies   | 11    |
| Distributors (machine only) | 1     |
| Distributors (dispenser)    | 9     |
|                             | <hr/> |
|                             | 129   |
| "Incomers" (not registered) | 27    |
|                             | <hr/> |
|                             | 156   |

### Licences

Number of dealers licences in force at end of year  
in respect of:-

|                 |     |
|-----------------|-----|
| Untreated milk  | 1   |
| Pre-packed milk | 109 |

Number of dealers authorised to deal in milk of following  
designations:-

|                    |    |
|--------------------|----|
| Untreated          | 50 |
| Pasteurised        | 87 |
| Sterilised         | 70 |
| Ultra heat treated | 1  |

### Visits and Inspections

|                                               |     |
|-----------------------------------------------|-----|
| Distributors                                  | 447 |
| Dairies                                       | 108 |
| Farms (Food and Drugs Act only)               | 1   |
| Bottling establishments (other<br>than plant) | 1   |
| Bacteriological sampling                      | 209 |
| Day Nursery                                   | 6   |
| Complaints received                           | 7   |

### Bacteriological examination

229 samples of milk were taken or purchased involving some 500 separate tests at the Public Health Laboratory, Preston, under the direction of Dr.L.A.Robertson.

204 samples were heat treated and 25 raw milk. 7 samples of raw milk were examined for the presence of Tubercle Bacilli, and were negative.

28 samples of school milk (Pasteurised); 1 unsatisfactory.

A summary of the bacteriological findings is given in the tables following.

8 samples on arrival at the laboratory had to be discarded (test void) because of fluctuating temperatures. 55 samples were purchased from vending machines, of which 7 were of unsatisfactory keeping quality.

25 samples of raw milk were examined for the presence of Brucella; 6 showed a positive ring test, but negative on culture.

Table A. Heat treated milk.

| Designation                                   | Samples | Void | Keeping Quality |     | Heat Treatment |     | Turbidity |
|-----------------------------------------------|---------|------|-----------------|-----|----------------|-----|-----------|
|                                               |         |      | Pass            | %   | Pass           | %   |           |
| Pasteurised                                   | 128     | 3    | 122             | 98  | 124            | 99  |           |
| Pasteurised (School)                          | 28      | 1    | 26              | 93  | 27             | 100 |           |
| Pasteurised Homogenised<br>(Vending machines) | 37      | 2    | 32              | 91  | 35             | 100 |           |
| Pasteurised (Channel<br>Islands)              | 3       |      | 3               | 100 | 3              | 100 |           |
| Sterilised                                    | 8       |      |                 |     |                |     | 8         |
| Total                                         | 204     | 6    | 183             | 96  | 189            | 99  | 8         |

Table B. Untreated milk

| Designation                     | Samples | Void | Keeping quality |   |    | T.B. | Anti-biotics | Brucella |         |   |    |       |   |   |   |
|---------------------------------|---------|------|-----------------|---|----|------|--------------|----------|---------|---|----|-------|---|---|---|
|                                 |         |      | S               | U | %  |      |              | Ring     | Culture |   |    | Biol. |   |   |   |
|                                 |         |      |                 |   |    |      |              |          | -       | E | +  | -     | 0 | + | - |
| Channel Islands                 | 2       |      | 1               | 1 | 50 | 2    | -            | 2        | -       | - | -  | 2     | - | - | - |
| Untreated                       | 5       |      | 4               | 1 | 80 | 2    | 5            | 5        | -       | - | 1  | -     | 2 | - | - |
| Untreated<br>(Vending machines) | 18      | 2    | 12              | 4 | 75 | 3    | 16           | 9        | 3       | 6 | 12 | -     | 3 | - | - |
| Total                           | 25      | 2    | 17              | 6 | 74 | 7    | 23           | 16       | 3       | 6 | 13 | -     | 7 | - | - |

O - Overgrown with other organisms  
 D - Guinea Pig died from other causes  
 E - Equivocal

# SAMPLING AND EXAMINATION OF FOOD

### Chemical examination

When an article of food has been purchased, and the procedures set out in Section 91 of the Food and Drugs Act, 1955, have been observed, the sample is said to be formal. This involves the separation of the sample into three parts, each of which has to be labelled and sealed. To do this with every sample would take considerable time and entail a great deal of work. Time, and labour also, would be spent on many samples on which proceedings would not be taken, since the great majority are found to be genuine. The purchase, moreover, of a formal sample is relatively expensive, because enough of each article must be bought to allow it to be divided into three portions. For these reasons, many samples are bought without compliance with the full requirements of the Food and Drugs Act, and are submitted to the Public Analyst; these are known as test or informal samples. If the result of analysis of such a test sample be unsatisfactory, then the food concerned would be formally sampled to obtain evidence acceptable in a court of law.

321 samples were purchased or taken during the year (301 during 1968) and analysed by the Public Analyst for the Borough as follows:-

|                                              |       |
|----------------------------------------------|-------|
| Informal samples of milk                     | 73    |
| Formal samples of food                       | 1     |
| Informal samples of food                     | 231   |
| Informal samples of ice-cream and<br>lollies | 9     |
| Informal samples of drugs or medicine        | 7     |
|                                              | <hr/> |
|                                              | 321   |

Other samples:-

|               |    |
|---------------|----|
| Potable water | 20 |
| Baths water   | 16 |
| Colouring     | 2  |

|                               |     |
|-------------------------------|-----|
| Number of visits and revisits | 479 |
|-------------------------------|-----|

**Examination by the Public Analyst:**

Milk

## Informal samples

Heat treated:

|                                         |    |
|-----------------------------------------|----|
| Genuine                                 | 48 |
| Genuine but slightly low solids-not-fat | 2  |
| Genuine but low solids-not-fat          | 1  |
| Contained 1.1% extraneous water         | 1  |

Untreated:

|                                            |   |
|--------------------------------------------|---|
| Genuine                                    | 9 |
| Genuine, slightly low solids-not-fat       | 1 |
| Deficient 16.6% fat, 2.5% extraneous water | 1 |

Channel Islands:

Genuine

10

73

Of the milk samples purchased, 2 were found to be adulterated or otherwise giving rise to irregularity as compared with 5 in 1968.

97% were genuine as compared with 92% in 1968.

Six samples showed figures for solids-not-fat below the presumptive limit of 8.5% for solids-not-fat fixed by the Sale of Milk Regulations, 1939, but were adjudged genuine on the Hortvet Freezing Point Test.

| <u>No.</u> | <u>Fat %</u> | <u>S.N.F. %</u> | <u>F.P.(Hortvet) °C.</u> |
|------------|--------------|-----------------|--------------------------|
| 20         | 3.00         | 8.15            | - 0.537                  |
| 51         | 3.60         | 8.45            | - 0.532                  |
| 82         | 3.65         | 8.40            | - 0.532                  |
| 83         | 3.40         | 8.30            | - 0.542                  |
| 220        | 3.30         | 8.45            | - 0.532                  |
| 324        | 3.80         | 8.35            | - 0.533                  |

Other food

Genuine

Not Genuine

|                               |    |    |
|-------------------------------|----|----|
| Baby food                     | 1  |    |
| Beverages                     | 3  |    |
| Bread and flour confectionery | 8  |    |
| Condiments                    | 10 |    |
| Dairy produce                 | 44 | 4  |
| Drugs and medicines           | 7  |    |
| Fish products                 | 8  |    |
| Fruit                         | 13 | 1  |
| Herbal products               | 1  |    |
| Ice-cream and lollies         | 8  | 1  |
| Meat products                 | 79 | 12 |
| Preserves etc.                | 8  |    |
| Sauces and soups              | 4  |    |
| Soft drinks                   | 20 | 2  |
| Table sweets                  | 9  |    |
| Vegetable products            | 5  |    |

174. Milk from a milk dispenser was deficient 16.6% fat and contained 2.5% extraneous water. The producer was cautioned.

280. Milk contained 1.1% extraneous water. The dairy was cautioned and a repeat sample was genuine.

1. A complaint regarding quality and metallic taste in a tin of imported smoked oysters was received and a tin was obtained and examined. The can contained 570 p.p.m. of zinc, but as quantities in excess of this amount have been regarded as natural to oysters, no further action was taken.

11. Lemon cheese showed soluble solids of 59% instead of the required 65%. The name and address of the packer and the name of the food were not displayed on the jar. The vendor was interviewed.

14. Beefsteak in gravy contained 69% meat instead of the recommended 75%. The packers were informed and it was found the can had been produced 12 months earlier and prior to an increased meat content later in the year.
19. A meat and potato pie contained 10.5% meat. The manufacturer renamed the product "Potato and Meat Pie".
35. Pork sausage was deficient in lean meat and contained preservative without declaration. Vendor cautioned.
53. Pork sausage contained 63.5% meat. Vendor interviewed and cautioned.
87. Butter contained 16.4% water and should contain not more than 16%. A formal sample proved genuine. Vendor cautioned.
97. Chicken pie contained 25.5% meat of which 7% was chopped sausage. The pie should have been labelled to indicate the presence of sausage. Vendor cautioned.
98. Pork sausage contained preservative without declaration. Vendor interviewed and cautioned.
163. Instant non-fat skimmed milk had a fat content of 0.7%. It was suggested to the manufacturer that "low fat" would be a correct description and the manufacturer agreed.
167. Pork sausage contained 27% lean meat, and preservative without a declaration. Vendor cautioned.
192. Margarine supported a growth of mould of Cladosporium species. The remaining stock at the shop was surrendered to the department and the manufacturer informed.
198. The label on a bottle of imported lemon squash indicated that the 12 oz. bottle made 8 pints, but the final drink would contain only seven eighths the sugar required for a citrus drink for direct consumption. Correspondence with the manufacturer suggested that he did not agree that any standard applied to the diluted drink and it was decided to await Ministry opinion.
203. Meat pie contained 20.5% meat. Vendor cautioned.
204. Canned oranges were suggested as being the cause of sickness and diarrhoea after consumption. A similar can was examined and found in good condition and free from significant amounts of metal.
228. Sterilised cream showed a butter fat content of 22.9% instead of 23.0%.
229. The label on a bottle of lemon drink indicated that the 12 oz. bottle made 8 pints, but the final drink would only contain  $\frac{2}{3}$  as much sugar as is required. The manufacturers were informed but did not agree with the comments. The drink has since been withdrawn.
232. Hamburgers in meat sauce had a meat content of 44%. Correspondence with the manufacturers showed that this line had been discontinued.

235. Ice-cream contained a non-permitted red colour. The depot manager was cautioned and the whole of the batch of coloured ice-cream and the stock of dye was destroyed.
240. Pork luncheon meat had a meat content of 79% instead of the required 80%.
306. Stewed steak in gravy had meat content of 72% instead of 75%. Packers informed.
319. Pork sausage had a meat content of 64% and also contained preservative without declaration. Vendor cautioned.
342. Pork sausage contained preservative without declaration. Vendor cautioned.

The following complaints were also dealt with:-

1. Whole nut chocolate containing maggots.
2. Cooked ham infested.
3. Margarine served instead of "butter", although latter advertised.
4. Skin and hair in Cornish pasty.
5. Mouldy bread.
6. Fly in meat pie.
7. Fly in loaf.
8. Chocolate alleged to have been nibbled by mice.
9. Mouldy sausage.
10. Charred maize in cornflakes.
11. Cement in milk bottle.
12. Mouldy meat pie.
13. Pan scrubber threads in cream split.
14. Stale sugar rock.
15. Stale biscuits.
16. Plastic ball in milk.
17. Brown bread dough in white bread.
18. Milk chocolate infested.
19. Potato crisps containing solid cooking oil.
20. Pepper husks in sausage.
21. Hide and hair in corned beef.

## ICE-CREAM

### Bacteriological examinations

130 samples of ice-cream were examined as follows:-

Methylene Blue Reductase Test (with provisional gradings):

|                |     |
|----------------|-----|
| Grade 1        | 100 |
| Grade 2        | 15  |
| Grade 3        | 5   |
| Grade 4        | 2   |
| Test void      | Nil |
| Repeat samples | 8   |

In the tables that follow are given the results of bacteriological and chemical analyses:

| <u>Type</u> | <u>No. of samples</u> | <u>Provisional Gradings</u> |          |          |          |
|-------------|-----------------------|-----------------------------|----------|----------|----------|
|             |                       | <u>1</u>                    | <u>2</u> | <u>3</u> | <u>4</u> |
| Bulk        | 65                    | 58                          | 5        | -        | 2        |
| Pre-packed  | 35                    | 32                          | 2        | 1        | -        |
| Soft        | 22                    | 10                          | 8        | 4        | -        |
| Total       | 122                   | 100                         | 15       | 5        | 2        |

The figures in the foregoing tables and the tables that follow do not include 'repeat' samples. By repeat samples is meant (8 - 1969) samples taken at various stages of manufacture and storage after receipt of an unsatisfactory laboratory report on a particular sample. Such repeat sampling is of help to traders. Manufacturers are, without exception, very co-operative, and are supplied with copies of all reports on their products. If a sample is graded 2, they are quite disappointed, (although 2 is, in fact, satisfactory), and are alarmed at an odd 3 or 4 grading.

6 repeat samples of locally made ice-cream, and 2 'imported' were taken.

| <u>Type</u>       | <u>% Graded 1 or 2</u> |             |             |             |             |
|-------------------|------------------------|-------------|-------------|-------------|-------------|
|                   | <u>1969</u>            | <u>1968</u> | <u>1967</u> | <u>1966</u> | <u>1948</u> |
| Bulk              | 97.0                   | 92.5        | 90.5        | 85.4        | 51.7        |
| Pre-packed        | 97.0                   | 95.9        | 100.0       | 98.9        | 72.0        |
| Soft              | 82.0                   | 85.7        | 84.2        | 91.4        | -           |
| Complete Cold Mix | -                      | 80.0        | 62.5        | 100.0       | 41.3        |

Comparative figures:

| <u>Year</u> | <u>% Graded 1 or 2</u> |
|-------------|------------------------|
| 1949        | 60.0                   |
| 1965        | 95.7                   |
| 1966        | 94.0                   |
| 1967        | 93.3                   |
| 1968        | 93.2                   |
| 1969        | 94.0                   |

Two samples were graded 4 as compared with 1 in 1968, and 21.1% in 1949.

|            | <u>Provisional Grade</u> |          |          |          | <u>% Graded 1 or 2</u> |             |             |
|------------|--------------------------|----------|----------|----------|------------------------|-------------|-------------|
|            | <u>1</u>                 | <u>2</u> | <u>3</u> | <u>4</u> | <u>1969</u>            | <u>1968</u> | <u>1949</u> |
| Local      | 49                       | 11       | 4        | 1        | 92.0                   | 90.9        | 51.9        |
| 'Imported' | 51                       | 4        | 1        | 1        | 96.0                   | 94.8        | 67.2        |
| Total      | 100                      | 15       | 5        | 2        | 94.0                   | 93.2        | 60.0        |

The total number of samples examined shows a decrease of 11 over 1968.

Soft serve machines

This is a machine into which ice-cream mix is whipped and frozen rapidly so that, although the temperature is very much reduced, the ice-cream remains partially fluid. The ice-cream is fresh and is dispensed through a nozzle.

Mixes are of three types:-

1. Pasteurised in cans or polythene bags; temperature control 45°F until converted into ice-cream.
2. Sterilised liquid mix in sealed airtight containers; no temperature control whilst sealed.
3. Complete cold mix powder reconstituted with water.

Bacteriological results (included in figures above)

|         |       |
|---------|-------|
| Grade 1 | 10    |
| 2       | 8     |
| 3       | 4     |
|         | <hr/> |
|         | 22    |

% in Grade 1 or 2      82.0      (1968 - 85.7)

### Composition

8 samples were analysed by the Public Analyst; all were satisfactory and 3 were of local manufacture.

|            | <u>Average composition %</u> |               |
|------------|------------------------------|---------------|
|            | <u>Fats</u>                  | <u>Solids</u> |
| Local      | 9.9                          | 36.5          |
| 'Imported' | 9.9                          | 35.7          |

### Visits

|                        |     |
|------------------------|-----|
| Dealers premises       | 211 |
| Manufacturers premises | 87  |
| Storage premises       | 5   |
| Proposed premises      | Nil |
| Cinemas                | 1   |
| Street traders         | 48  |
| Sampling               | 202 |
| Informal notices       | 4   |

### Registered premises

|                                      | <u>1967</u> | <u>Ceased</u> | <u>New</u> | <u>1968</u> |
|--------------------------------------|-------------|---------------|------------|-------------|
| Manufacture, storage, sale           | 2           | -             | -          | 2           |
| Manufacture, storage                 | 2           | -             | -          | 2           |
| Manufacture, sale                    | 6           | 1             | 2          | 7           |
| Manufacture                          | 1           | -             | -          | 1           |
| Storage and sale                     | 5           | 1             | -          | 4           |
| Storage                              | 3           | -             | -          | 3           |
| Sale                                 | 70          | 3             | 2          | 69          |
| Sale of pre-packed<br>(by agreement) | 135         | 10            | 3          | 128         |
|                                      | 224         | 15            | 7          | 216         |

During the year 15 premises ceased to be used for ice-cream purposes and the certificates of registration were withdrawn. The Council approved the transfer of 19 certificates, and 7 new registrations.

### ICE LOLLIES

#### Samples taken and found satisfactory

##### Locally manufactured

|                |     |
|----------------|-----|
| Sold unwrapped | Nil |
| Pre-packed     | Nil |

##### 'Imported'

|                   |    |
|-------------------|----|
| Pre-packed        | 14 |
| Ice lollies       | 6  |
| Ice-cream lollies | 8  |

#### Tests

|                       |                |       |
|-----------------------|----------------|-------|
| (a)                   | pH value       | 12    |
| (b)                   | Methylene Blue | 8     |
|                       |                | <hr/> |
|                       |                | 20    |
| Chemical examinations |                | 1     |

#### LIQUID EGG

No liquid egg is pasteurised in the Borough but it is used in food manufacture.

|                    |     |
|--------------------|-----|
| Visits to premises | 27  |
| Samples taken      | 15  |
| Satisfactory       | 15  |
| Unsatisfactory     | Nil |

Salmonellae absent in all samples

# MEAT AND FOOD INSPECTION

## Visits

|                      |       |
|----------------------|-------|
| Town slaughterhouses | 1,392 |
| Heysham Harbour      | 26    |
| Butchers shops       | 155   |
| Other food shops     | 400   |

## Animals inspected

|                  | <u>Town</u> | <u>Heysham</u> | <u>Total</u> |
|------------------|-------------|----------------|--------------|
| Beasts (ex.cows) | 3,593       | 52             | 3,645        |
| Cows             | 331         |                | 331          |
| Calves           | 16          |                | 16           |
| Sheep and lambs  | 22,322      |                | 22,322       |
| Pigs             | 3,861       |                | 3,861        |
|                  | <hr/>       | <hr/>          | <hr/>        |
|                  | 30,123      | 52             | 30,175       |

## Five year comparison

| <u>Town</u> | <u>1969</u> | <u>1968</u> | <u>1967</u> | <u>1966</u> | <u>1950</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|
| Beasts      | 3,593       | 3,814       | 4,439       | 3,804       | 1,651       |
| Cows        | 331         | 47          | 147         | 103         | 687         |
| Calves      | 16          | 21          | 29          | 36          | 1,247       |
| Sheep       | 22,322      | 26,858      | 29,324      | 25,374      | 9,756       |
| Pigs        | 3,861       | 2,976       | 2,695       | 4,046       | -           |

## Heysham Harbour

|        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|
| Beasts | 52     | 91     | 123    | 53     | 115    |
| Sheep  |        |        |        |        | 630    |
|        | <hr/>  | <hr/>  | <hr/>  | <hr/>  | <hr/>  |
| Totals | 30,175 | 33,807 | 36,757 | 33,416 | 14,086 |

## Meat condemned (including Heysham Harbour)

### Cattle

#### Tuberculosis:

|       |   |
|-------|---|
| Heads | 1 |
|-------|---|

#### C.Bovis:

|       |   |
|-------|---|
| Heads | 1 |
|-------|---|

#### Other diseases:

|                         |   |
|-------------------------|---|
| * Carcasses (moribund)  | 1 |
| Carcasses (emaciation)  | 3 |
| Carcasses (fever)       | 3 |
| Carcasses (gangrene)    | 1 |
| Carcasses (septicaemia) | 1 |

|                                        |       |
|----------------------------------------|-------|
| Carcases (mastitis)                    | 2     |
| Part carcasses (injuries and bruising) | 9     |
| Part carcasses (maceration)            | 2     |
| Part carcasses (abscesses)             | 1     |
| Livers (cirrhosis)                     | 1,698 |
| Livers (abscesses)                     | 168   |
| Livers (flukes)                        | 42    |
| Livers (angiomata)                     | 1     |
| Lungs (pleurisy) sets                  | 12    |
| Lungs (emphysema) sets                 | 1     |
| Lungs (pneumonia) sets                 | 3     |
| Lungs (abscesses) sets                 | 1     |
| Head and Tongue (actinomycosis)        | 1     |
| Head and Tongue (injuries)             | 1     |
| Heart (pericarditis)                   | 7     |
| Skirt (peritonitis)                    | 20    |
| Skirt (abscesses)                      | 3     |
| Spleen (haematoma)                     | 1     |
| Spleen (peritonitis)                   | 3     |
| Stomachs (peritonitis)                 | 6     |
| Stomachs (abscesses)                   | 2     |
| Kidneys (nephritis)                    | 5     |
| Kidneys (decomposition)                | 1     |
| Udders (mastitis)                      | 30    |
| Udders (abscesses)                     | 4     |
| Intestines (peritonitis) sets          | 6     |
| Intestines (abscesses) sets            | 5     |
| Tails (injury)                         | 4     |
| Beef (bruised) lbs.                    | 494   |
| Beef (bone taint) lbs.                 | 453   |
| Beef (decomposition) lbs.              | 4     |

One carcass consigned to and remained in cold storage for  
14 days (C.bovis)

#### Calves:

|                       |   |
|-----------------------|---|
| * Carcases (moribund) | 1 |
| Pluck (abscesses)     | 1 |
| Pluck (decomposition) | 2 |

#### Sheep:

|                                    |       |
|------------------------------------|-------|
| * Carcases (emaciation)            | 9     |
| Carcases (fever)                   | 1     |
| Carcases (moribund)                | 1     |
| Carcases (injured)                 | 2     |
| Carcases (toxaemia and emaciation) | 3     |
| Carcases (lamb) (injuries)         | 1     |
| Carcases (lamb) (immature)         | 2     |
| Carcases (lamb) (emaciation)       | 2     |
| Part carcass (fever)               | 1     |
| Part carcass (injuries)            | 2     |
| Part carcass (abscesses)           | 7     |
| Part carcass (lamb) (abscesses)    | 1     |
| Livers (flukes)                    | 1,282 |
| Livers (cirrhosis)                 | 8     |
| Livers (parasites)                 | 961   |
| Head and Pluck (abscesses)         | 3     |
| Pluck (pericarditis)               | 2     |
| Pluck (abscesses)                  | 18    |

Pigs:

Tuberculosis:

|       |   |
|-------|---|
| Heads | 2 |
|-------|---|

Other diseases:

|                          |    |
|--------------------------|----|
| Carcase (emaciation)     | 1  |
| Carcase (pyaemia)        | 1  |
| Part carcase (adhesions) | 4  |
| Part carcase (arthritis) | 1  |
| Part carcase (injuries)  | 2  |
| Pluck (abscesses)        | 15 |
| Pluck (ascaris)          | 57 |
| Pluck (cirrhosis)        | 15 |
| Pluck (pleurisy)         | 1  |
| Pluck (parasites)        | 1  |
| Pluck (pneumonia)        | 3  |
| Livers (parasites)       | 6  |
| Livers (milk spot)       | 1  |
| Head (bruising)          | 1  |
| Head (decomposition)     | 19 |

Unsound food surrendered or condemned:

|                                  | <u>Tons</u> | <u>Cwts.</u> | <u>lbs.</u> |
|----------------------------------|-------------|--------------|-------------|
| * 1. Meat at slaughterhouses     | 17          | 3            | 38          |
| 2. Meat at wholesale premises    | 1           | 19           | 45          |
| 3. Meat at retail shops          |             | 2            | 46          |
| 4. Cooked meat and meat products |             | 8            | 44          |
| 5. Canned meats                  |             | 6            | 69          |
| 6. Fish                          |             | 4            | 94          |
| 7. Fruit and vegetables          | 5           | 1            | 28          |
| 8. Other foods                   |             | 3            | 51          |
|                                  | 25          | 9            | 79          |

\* including poultry

Disposal of condemned meat:

Carcase beef is collected by a recognised dealer in animal feeding stuffs, and in accordance with 1960 regulations, is transported in vehicles appropriately locked and marked.

Beef livers which are found tubercle free and not affected with any septic condition are collected for pharmaceutical purposes. The remainder of the condemned meat and offal is regularly collected by a contractor and treated at a fertiliser processing plant.

Special examinations:

Cold room failure -  $4\frac{1}{2}$  tons peas (included above)

Carcases inspected and condemned

|                                                                                           | Cattle<br>excluding<br>cows | Cows | Calves | Sheep<br>and<br>lambs | Pigs  |
|-------------------------------------------------------------------------------------------|-----------------------------|------|--------|-----------------------|-------|
| Number killed (if known)                                                                  | 3,645                       | 331  | 16     | 22,322                | 3,861 |
| Number inspected                                                                          | 3,645                       | 331  | 16     | 22,322                | 3,861 |
| All diseases except Tuberculosis and Cysticerci:<br>Whole carcases condemned              | 11                          | 1    | 1      | 21                    | 2     |
| Carcases of which some part or organ was condemned                                        | 1,932                       |      | 3      | 2,251                 | 83    |
| Percentage of the number affected with diseases<br>other than Tuberculosis and Cysticerci | 48.8                        |      | 25.0   | 10.1                  | 2.2   |
| Tuberculosis only:<br>Whole carcases condemned                                            | -                           |      | -      | -                     | -     |
| Carcases of which some part or organ was condemned                                        | 1                           |      | -      | -                     | 2     |
| Percentage of number inspected affected with<br>Tuberculosis                              | 0.03                        |      | -      | -                     | 0.05  |
| Cysticercosis:<br>Carcases of which some part or organ is condemned                       | 1                           |      | -      | -                     | -     |
| Carcases submitted to treatment by refrigeration                                          | 1                           |      | -      | -                     | -     |
| Generalised and totally condemned                                                         | -                           |      | -      | -                     | -     |

Poultry inspection

Number of poultry processing premises 1

Number of visits 132

Birds processed:

|             |           |         |
|-------------|-----------|---------|
| Turkeys     | 194       |         |
| Hens        | 985       |         |
| Broilers    | 361,613   |         |
| Guinea Fowl | 11,730    |         |
| Capons      | <u>53</u> | 374,575 |

% of birds rejected (2,231) 0.59

Weight of poultry condemned 117 birds = 3 cwt.

Unplucked hens condemned =31 cwt.

LANCASHIRE COUNTY COUNCIL (GENERAL POWERS) ACT, 1951

This Act requires the registration of all persons who sell, offer or expose for sale any food from a vehicle, basket, pail, tray, or other receptacle, and for the registration of all premises used as storage accommodation for such food.

|                                |    |
|--------------------------------|----|
| Number of hawkers on register  | 42 |
| Number of premises on register | 8  |
| Number of visits               | 14 |

LABELLING OF FOOD ORDER, 1953

|                           |     |
|---------------------------|-----|
| Number of visits          | 221 |
| Number of verbal warnings | 7   |

For details of discrepancies found in the labels attached to food, etc., see Food and Drugs ante pages 46-48.

BACTERIOLOGICAL EXAMINATION (SPECIMENS)

Food examined:

|             |    |
|-------------|----|
| Sausage     | 3  |
| Shrimps     | 28 |
| Chicken     | 6  |
| Vegetables  | 6  |
| Stuffing    | 2  |
| Pudding     | 2  |
| Custard     | 1  |
| Bovine head | 1  |

Other examinations:

Faeces:

|                        |   |     |
|------------------------|---|-----|
| Salmonella             | + | 31  |
| Salmonella             | - | 112 |
| Dysentery              | + | 1   |
| Dysentery              | - | 59  |
| Contacts - Paratyphoid | - | 53  |
| Contacts - Typhoid     | - | 11  |
| E.Coli                 | + | 1   |

## PUBLIC CLEANSING

### Staff:

|                                    |                               |
|------------------------------------|-------------------------------|
| Cleansing Superintendent           | T.E.Gore, M.Inst. P.C.        |
| Assistant Cleansing Superintendent | G.Middlebrough, A.M.Inst.P.C. |
| Clerical staff                     | 2                             |
| Inspectors                         | 2                             |
| Manual staff                       |                               |
| Winter                             | 80                            |
| Summer                             | 103                           |

### Refuse Collection:

Following acceptance by employees and trade unions, the Borough Council approved the introduction of an incentive bonus scheme of working into the refuse collection service. The scheme based on accepted work study principles commenced on the 30th June, 1969, and following an initial trial period of three months, the scheme was subsequently accepted on a permanent basis.

It is, therefore, pleasing to report that during the first six months of operation, absenteeism and short term sickness amongst refuse collection staff has reduced considerably, and not one employee has resigned or been dismissed from this section of the department. Complaints from domestic, business and commercial premises are at a minimum and refuse collectors are to be commended on the efficient manner with which they have accepted and carried out their increased duties, particularly since they must work in all weather conditions to complete the daily task.

The effects of the dustmens' strike in September/October no doubt influenced the decision of the National Joint Council in awarding an 11% increase on the basic pay of refuse collectors and drivers, as compared with the Government norm of 3½%. The wage award coupled with the bonus scheme has, therefore, increased the earnings of refuse collectors for a 40 hour working week by approximately 48% during the year.

For the day to day collection of refuse from domestic premises, shops and offices, the Borough is divided into five rounds, each serviced by a vehicle and four loaders. A sixth round - the promenade set, services hotels, boarding houses, shops and food premises along the promenade, including all additional seasonal collections (i.e. more than once weekly) from business premises.

A further vehicle is in full time use collecting furniture and household effects not suitable or convenient for collection by the normal domestic refuse rounds using compression type vehicles.

Fibreboard and waste paper is collected separately from shops and business premises. One vehicle, a Karrier Bantam with a 20 cubic yard van body is used for this purpose and covers all premises requiring the service in the Borough. The scheme of hiring the waste paper building and plant, and the selling of unbaled waste paper was discontinued in August, 1969 on the termination of a three year contract.

Following the introduction of a bonus scheme into this section of the department's activities, a substantial saving has been achieved over previous methods. This has enabled the department to purchase a 7 h.p. Horizontal Baling Press and a manual operated Fork Lift Stacker Truck out of income received from the sale of waste paper to the Board Mills.

#### Transport:

The department now operates and maintains a fleet of 18 vehicles and four pedestrian controlled electric trucks. All vehicles are on a special maintenance schedule owing to the nature of the work carried out - refuse collection vehicles working under dusty conditions whilst gully/cesspool emptiers and mechanical sweepers are subject to excessive engine use. In addition, repair and maintenance work is carried out on vehicles belonging to certain other departments.

One new Shelvoke and Drewry 'Pakamatic' continuous loading vehicle was purchased and brought into service on the 1st May, 1969.

#### Public Conveniences:

Receipts from public conveniences were approximately £815 less than the previous year, but this is accounted for by the fact that coin operated locks stolen or damaged beyond repair by vandalism have not been replaced because of the high renewal costs (£36 per lock) involved.

With the change over to decimal currency in February, 1971, the Committee have decided on the policy of an inclusive charge of one new penny for the use of toilets and full washing facilities.

In recent years, the public conveniences have generally been brought up to satisfactory standards by carrying out major repairs and renewals and by repainting, but wanton damage and vandalism is far too prevalent and adds unnecessarily to the cost of maintenance.

Damage caused by vandalism occurs mainly outside the holiday season, and, therefore, consideration must be given to the possibility of closing down certain toilets during the autumn/winter seasons, and/or to locking certain toilets overnight during the same period with a subsequent saving in maintenance costs. Further saving can also be achieved from a reduced consumption of water and electricity.

The Committee must consider, therefore, whether the benefits of toilets being available twenty four hours of every day exceeds the increasing expenditure required to reinstate damage by vandalism.

#### Street Cleansing:

Three new pedestrian controlled vehicles were purchased and brought into service during the month of June, 1969 after being exhibited by the manufacturers at the Annual Conference of the Institute of Public Cleansing at Harrogate.

During the season, to supplement the permanent street cleansing staff, six temporary sweepers are employed to service the main shopping centres and sea front promenade.

The low basic wage, and the nature of the work, present difficulties of recruiting the younger employee to this service and, therefore, with the advanced age of present employees, absence through long term sickness is increasing and three employees alone lost 600 working days during the past year. Independent medical reports are arranged at regular intervals to ascertain the possibility of retiring older personnel on the grounds of ill-health.

#### Statistics:

|                                 | <u>Number of<br/>loads</u> | <u>Tons</u>  | <u>Cwts.</u> | <u>Qrs.</u>                   |
|---------------------------------|----------------------------|--------------|--------------|-------------------------------|
| 1. <u>Refuse Collection</u>     |                            |              |              |                               |
| Domestic and Trade Refuse       | 7,739                      | 13,177       | 3            | 1                             |
| 2. <u>Refuse Disposal</u>       |                            |              |              |                               |
| Controlled Tip                  | 6,254                      | 12,667       | 8            | 3                             |
| Paper Baling Plant              | 1,076                      | 425          | 8            | 1                             |
| Waste Food Plant                | 409                        | 84           | 6            | 1                             |
|                                 | 7,739                      | 13,177       | 3            | 1                             |
| 3. <u>Refuse Disposal Sales</u> |                            |              |              |                               |
|                                 | <u>Tons</u>                | <u>Cwts.</u> | <u>Qtr.</u>  | <u>£.</u> <u>s.</u> <u>d.</u> |
| Fibreboard and Wastepaper       | 268                        | 13           | 1            | 1,714. 13. 6.                 |
| Scrap metals, rags, etc.        | 12                         | 5            | 1            | 1,352. 16. 3.                 |
| Unprocessed offals              | 76                         | 1            | 3            | 189. 13. 4.                   |
|                                 | 357                        | -            | 1            | £3,257. 3. 1.                 |

#### 4. General:

|                                                                    |        |
|--------------------------------------------------------------------|--------|
| Number of dustbins or equivalent capacity containers emptied       | 22,000 |
| Number of dust bins or equivalent containers emptied during season | 26,000 |
| Number of special collections (bulky furniture, etc.)              | 1,978  |
| Total dust bin sales for year                                      | 594    |

#### 5. Staff:

Table showing the sickness and absence rates expressed as a percentage of the total working days for the last five years.

| <u>Year</u> | <u>Yearly<br/>average</u> | <u>Monthly Rate</u> |               |
|-------------|---------------------------|---------------------|---------------|
|             |                           | <u>Highest</u>      | <u>Lowest</u> |
| 1969        | 9.08%                     | 13.40%              | 6.20%         |
| 1968        | 6.32%                     | 10.78%              | 3.70%         |
| 1967        | 7.80%                     | 10.42%              | 5.11%         |
| 1966        | 5.46%                     | 9.30%               | 2.64%         |
| 1965        | 4.13%                     | 6.01%               | 1.34%         |

Vehicle strength:

| <u>Section</u>                 | <u>Number</u> | <u>Description</u>                            |
|--------------------------------|---------------|-----------------------------------------------|
| <u>Refuse Collection</u>       | 2             | 'Dual Tip' - 18 cu.yd. capacity               |
|                                | 5             | Ram Compression - 7/20 cu.yd. capacity        |
|                                | 1             | Screw Impellor - 16/50 cu.yd. capacity        |
|                                | 2             | Large Vans - 20 cu.yd. capacity               |
| <u>Street Cleansing</u>        | 2             | Gully Emptiers (800 and 1,000 gall. capacity) |
|                                | 2             | Suction Sweepers                              |
|                                | 1             | 'Dual Tip' - 25 cu.yd. capacity               |
|                                | 4             | Electric Trucks (pedestrian controlled)       |
| Administration/<br>Maintenance | 3             | 6 cwt. Vans                                   |
|                                | <u>22</u>     |                                               |

Public Conveniences:

| <u>Permanent Buildings</u> | <u>Number</u> |
|----------------------------|---------------|
| <u>Situation</u>           |               |
| Marine Road/Promenade      | 6             |
| Parks or Open Spaces       | 5             |
| Car Parks/Bus Terminals    | 4             |
| Other Sites                | 2             |
|                            | <u>17</u>     |

Temporary Buildings

|            |   |
|------------|---|
| Coach Park | 1 |
|------------|---|

## SWIMMING BATHS

The magnificent open air swimming pool known as the 'Super Swimming Stadium', is municipally owned and controlled. Although opened in 1936, the design was many years ahead of its time and, even today, this vast stadium is considered very up-to-date.

Although not the largest swimming pool, it is thought to be the longest pool in Europe, with a maximum length of 396 feet. The width is 110 feet. The depth of the water graduates from nil to 15 feet in the diving pit, and boards for diving are provided at 1, 3, 5 and 10 metres. The main feature is that conditions are ideal for young children and non-swimmers in that, apart from the normal slope from shallow to deep, the pool also slopes across, thus giving a shore to the pool which runs the full length.

Seating accommodation is provided for some 2,500 spectators, but the maximum attendance has been recorded at 7,500 spectators at one event.

1 $\frac{1}{4}$  million gallons of sea water are drawn from Morecambe Bay to fill the pool. This is chemically treated and filtered to ensure that sterile conditions exist for the average figure of 200,000 bathers, etc., who attend the stadium between May and September each year.

The filtration and sterilisation equipment is of a high standard and is in constant use during the bathing season. The new 'v' notch chlorinator, soda and alum dosing equipment and three large sand filters are capable of treating the 1 $\frac{1}{4}$  million gallons of sea water every 6 $\frac{1}{2}$  hours, so that in a normal day the pool can be 'turned over' at least three times. The large cascade situated in the pool also assists with aeration.

The swimming stadium is the scene of many events apart from swimming and sunbathing. Each Tuesday afternoon there is a 'Competition Time' when comedy and novelty contests are held. Wednesday afternoons see the famous 'Miss Great Britain National Bathing Beauty Contest' taking place, and on various Saturday afternoons, many Galas are held, consisting of races, water polo matches etc., at all levels from Club to International standard. Other events held include fashion shows and aqua shows etc.

There is also a cafeteria, both for patrons at the stadium and for use by the general public.

A new under cover games area has been installed where for a small charge, patrons can play table tennis and snooker, and keep fit on cycling and rowing machines. There is also a gift shop opening for the 1970 season which will provide a service to satisfy customers demands for sun tan lotions, sun glasses, postcards, gifts and souvenirs.

Although the stadium is only for swimming during May to September, this forms only part of the Baths Department. Hot showers are open all the year round and are proving extremely popular.

To complete the picture, a small establishment laundry is situate in the stadium to deal with all towels and costumes, which, after hire by the public, must be washed and sterilised before being reissued.

The Baths and Marineland Manager is also the Meteorological Officer for the town, and the stadium is a recognised meteorological station, providing observations on current weather conditions and recording such information. Records at the stadium date back to 1896.

#### Examination of water:

##### Chemical

Number of samples 16 (satisfactory)

##### Bacteriological

78 bacteriological analyses of the bath water (inlet, pool centre and outlet) were made as follows:-

|                  |                   |
|------------------|-------------------|
| Satisfactory     | 78                |
| % satisfactory   | 100 (1968 - 100%) |
| Number of visits | 39                |

A private swimming bath attached to a holiday camp was visited regularly during the season. The water here was continuously and efficiently treated, but the bath is not of course on the same scale as the municipal bath.

|                         |                  |
|-------------------------|------------------|
| Number of visits        | 21               |
| Number of samples taken | 39               |
| Wholly satisfactory     | 92% (1968 - 82%) |

| <u>Ref.No.</u> | <u>Date</u> | <u>Bacterial Colonies</u> | <u>Coliform Bacilli</u> | <u>Plate Count Orgs./ml.</u> | <u>Location</u> |
|----------------|-------------|---------------------------|-------------------------|------------------------------|-----------------|
| 646            | 19th July   | Nil                       | Nil                     | 5                            | Inlet           |
| 647            | 19th July   | Nil                       | Nil                     | 8                            | Pool Centre     |
| 648            | 19th July   | Nil                       | Nil                     | 4                            | Outlet          |
| 689            | 21st Aug.   | Nil                       | Nil                     | 1                            | Inlet           |
| 690            | 21st Aug.   | Nil                       | Nil                     | 8                            | Pool Centre     |
| 691            | 21st Aug.   | Nil                       | Nil                     | 2                            | Outlet          |

Number of samples from paddling pools examined 12

## METEOROLOGICAL REPORT

Meteorological work continued as in previous years with readings being taken at 10.00 hours and 18.00 hours daily.

Daily and weekly readings are sent to the local newspapers, Lancashire Evening Post, Magazines and other interested parties. Numerous enquiries are dealt with from both prospective holiday-makers and residents. The Manchester Weather Centre is notified several times a day throughout the year of prevailing weather conditions. Evening code telegrams are submitted to the Air Ministry and Monthly Reports submitted to the Meteorological Office. Daily readings are exhibited in the Information Bureau on the Promenade during the holiday season.

Whilst 1968 was remembered as a good year in the town, in many ways 1969 was even better. The peak holiday months May to September were excellent with only 11.43 inches of rain falling on 68 days as against 19.20 inches on 70 days in 1968, out of the 153 day period. Of the 11.43 inches of rain recorded only 4.23 inches fell between the hours of 10 a.m. and 6 p.m. Higher temperatures were recorded in 1969, although during the summer 824 hours 12 minutes of sunshine were recorded in 135 days as against 850 hours 24 minutes on 143 days in 1968.

On the 15th, 16th July, and 7th, 8th August 1969 the temperature reached 82°F which was the highest temperature recorded since 1961. In comparison the coldest day of the year was the 16th February when 19°F was recorded.

Apart from the summer months, the total yearly rainfall of 33.64 inches was the lowest since 1955 (29.75). Out of the whole year only March and November had above the 10 year average rainfall. Rain fell on 177 days during the year.

During 1969 the sun shone on 277 days making a total of 1419 hours 30 minutes, a little above the 10 year average. The sunniest days were the 8th and 11th June when the daily record was equalled with 16 hours 12 minutes. June was the best month with 270 hours 6 minutes (50 hours more than 1968) and was the highest total since 1957.

By way of interest in the 74 years that records have been kept June tops the chart of sunshine months with most sun 30 times followed by May (26), July (8) August (5) April (4) and most surprisingly in 1958 the sunniest month was October.

There was a predominance of N.E. Winds during the year (44) and next was the South West (42).

G. D. SMITH.

Meteorological Officer.

RAINFALL (in inches and hundredths)

|           | Total<br>amount<br>inches | Days of<br>rain .01 ins.<br>or more | Greatest<br>fall in<br>24 hours | Date        | Monthly<br>average<br>1959-1968 |
|-----------|---------------------------|-------------------------------------|---------------------------------|-------------|---------------------------------|
| January   | 3.09                      | 23                                  | 1.17                            | 20th        | 3.36                            |
| February  | 1.95                      | 11                                  | .49                             | 10th        | 2.25                            |
| March     | 2.96                      | 11                                  | .82                             | 30th        | 2.27                            |
| April     | 2.49                      | 13                                  | .49                             | 9th & 14th  | 2.81                            |
| May       | 3.33                      | 22                                  | .63                             | 7th         | 2.88                            |
| June      | 2.82                      | 11                                  | 1.16                            | 2nd         | 3.01                            |
| July      | 1.20                      | 10                                  | .37                             | 28th        | 3.32                            |
| August    | 1.81                      | 14                                  | .47                             | 3rd         | 4.23                            |
| September | 2.27                      | 11                                  | .72                             | 10th        | 4.22                            |
| October   | 1.88                      | 12                                  | .47                             | 23rd        | 4.56                            |
| November  | 6.23                      | 21                                  | 1.25                            | 3rd         | 3.68                            |
| December  | 3.61                      | 18                                  | .58                             | 13th & 19th | 4.23                            |
|           | 33.64                     | 177                                 | 1.25                            | 3rd. Nov.   | 40.82                           |

Notes: Highest rainfall in 24 hours ever recorded 3.72 inches on 15th August, 1916. 2.52 inches fell on the 9th October, 1941.

Highest yearly rainfall - 55.73 inches in 1928.

Lowest yearly rainfall - 27.07 inches in 1941.

Highest monthly rainfall ever recorded 11.03 inches in October, 1967.

Lowest monthly rainfall ever recorded, .05 inches in February, 1922.

BAROMETRIC PRESSURE (millibars)

|           | Mean<br>of the<br>month | Highest<br>reading | Date     | Lowest<br>reading | Date      | Average<br>mean<br>1959-1968 |
|-----------|-------------------------|--------------------|----------|-------------------|-----------|------------------------------|
| January   | 1004.94                 | 1032.3             | 3rd      | 968.0             | 13th      | 1016.35                      |
| February  | 1010.47                 | 1030.3             | 5th      | 994.4             | 12th      | 1014.69                      |
| March     | 1013.90                 | 1027.7             | 28th     | 986.8             | 30th      | 1013.07                      |
| April     | 1013.83                 | 1034.3             | 5th      | 979.8             | 22nd      | 1011.71                      |
| May       | 1008.30                 | 1022.6             | 22nd     | 997.1             | 8th       | 1013.51                      |
| June      | 1014.74                 | 1027.7             | 5th      | 996.2             | 20th      | 1015.20                      |
| July      | 1019.35                 | 1030.6             | 12th     | 1008.2            | 7th       | 1013.91                      |
| August    | 1014.75                 | 1027.1             | 31st     | 1008.2            | 20th      | 1015.35                      |
| September | 1016.54                 | 1029.0             | 1st      | 1000.1            | 11th      | 1012.20                      |
| October   | 1017.70                 | 1033.2             | 27th     | 1002.0            | 14th      | 1009.58                      |
| November  | 1003.15                 | 1028.4             | 30th     | 969.2             | 9th       | 1004.96                      |
| December  | 1012.22                 | 1028.2             | 9th      | 988.6             | 15th      | 1004.71                      |
| Year      | 1012.49                 | 1034.3             | 5th Apl. | 968.0             | 13th Jan. | 1012.10                      |

SUNSHINE (Recorded by Campbell-Stokes Instrument)

|           | Total<br>sunshine<br>Hrs.Mins. |    | Greatest<br>daily<br>amount of<br>sun<br>Hrs.Mins. |    | Date               | Days<br>on<br>which<br>sun<br>shone | Sun-<br>less<br>days | 10 year<br>average<br>sunshine<br>1959-1968<br>Hrs. Mins. |    |
|-----------|--------------------------------|----|----------------------------------------------------|----|--------------------|-------------------------------------|----------------------|-----------------------------------------------------------|----|
| January   | 27                             | 54 | 5                                                  | 30 | 2nd                | 14                                  | 17                   | 54                                                        | 30 |
| February  | 72                             | 42 | 8                                                  | 48 | 17th               | 19                                  | 9                    | 70                                                        | 48 |
| March     | 92                             | 36 | 10                                                 | 24 | 22nd               | 18                                  | 13                   | 106                                                       | 18 |
| April     | 195                            | 18 | 13                                                 | 00 | 19th               | 26                                  | 4                    | 144                                                       | 18 |
| May       | 136                            | 36 | 12                                                 | 36 | 21st               | 28                                  | 3                    | 185                                                       | 12 |
| June      | 270                            | 06 | 16                                                 | 12 | 8th & 11th         | 29                                  | 1                    | 199                                                       | 54 |
| July      | 172                            | 00 | 14                                                 | 00 | 31st               | 28                                  | 3                    | 163                                                       | 12 |
| August    | 149                            | 54 | 11                                                 | 30 | 7th                | 28                                  | 3                    | 168                                                       | 12 |
| September | 95                             | 36 | 10                                                 | 18 | 19th               | 22                                  | 8                    | 130                                                       | 54 |
| October   | 101                            | 06 | 9                                                  | 18 | 11th               | 25                                  | 6                    | 90                                                        | 36 |
| November  | 71                             | 36 | 7                                                  | 12 | 17th               | 22                                  | 8                    | 58                                                        | 6  |
| December  | 34                             | 06 | 5                                                  | 54 | 26th               | 18                                  | 13                   | 46                                                        | 0  |
|           | 1419                           | 30 | 16                                                 | 12 | 8th & 11th<br>July | 277                                 | 88                   | 1416                                                      | 00 |

Notes: 1969 average daily - 3 hours 54 minutes.  
Record for one day - 16 hours 12 minutes, 29th June, 1935,  
22nd June, 1937 and 19th June, 1957; 6th July, 1968 and  
8th and 11th June, 1969.  
Highest yearly sunshine - 1,999 hours 40 minutes in 1911.  
Lowest yearly sunshine - 1,241 hours 48 minutes in 1954.

SHADE TEMPERATURE °F

|           | Mean<br>max. | Mean<br>min. | High-<br>est<br>max. | Date                             | Low-<br>est<br>min. | Date                 | 10 year<br>average<br>max.<br>1959-68 |
|-----------|--------------|--------------|----------------------|----------------------------------|---------------------|----------------------|---------------------------------------|
| January   | 44.9         | 37.9         | 52                   | 20th & 21st                      | 28                  | 6th & 7th            | 42.1                                  |
| February  | 38.3         | 29.7         | 51                   | 23rd                             | 19                  | 16th                 | 43.6                                  |
| March     | 41.9         | 33.5         | 48                   | 15th & 30th                      | 21                  | 6th                  | 47.6                                  |
| April     | 51.4         | 39.3         | 70                   | 8th                              | 32                  | 2nd & 3rd            | 52.5                                  |
| May       | 57.9         | 46.4         | 68                   | 25th & 29th                      | 37                  | 1st                  | 58.8                                  |
| June      | 64.7         | 51.5         | 76                   | 9th, 10th and<br>11th            | 41                  | 6th                  | 64.6                                  |
| July      | 66.3         | 56.5         | 82                   | 15th & 16th                      | 49                  | 4th                  | 64.7                                  |
| August    | 68.0         | 57.6         | 82                   | 7th & 8th                        | 52                  | 29th                 | 65.1                                  |
| September | 62.7         | 52.7         | 68                   | 5th & 18th                       | 45                  | 28th, 29th<br>& 30th | 62.5                                  |
| October   | 60.0         | 51.7         | 69                   | 11th                             | 45                  | 1st                  | 56.9                                  |
| November  | 45.9         | 37.0         | 58                   | 2nd                              | 28                  | 18th & 30th          | 47.9                                  |
| December  | 41.6         | 33.6         | 50                   | 21st                             | 22                  | 27th                 | 43.5                                  |
| Year      | 53.6         | 43.9         | 82                   | 15th, 16th July<br>7th, 8th Aug. | 19                  | 16th Feby.           | 54.1                                  |

Notes: Highest recorded temperatures 89°F on the 20th July, 1901,  
29th July, 1948 and 6th June, 1950.  
Lowest recorded temperature 8°F on the 26th January, 1945.

CLOUDWIND (Measured by Beaufort Scale)

| Mean amount 0-8 |      | Mean force of wind 0-12 | Gale force 7 or over |
|-----------------|------|-------------------------|----------------------|
| January         | 7.06 | 2.22                    | -                    |
| February        | 5.82 | 2.35                    | -                    |
| March           | 5.83 | 2.32                    | -                    |
| April           | 4.60 | 2.50                    | 1                    |
| May             | 6.16 | 2.03                    | -                    |
| June            | 4.60 | 2.66                    | -                    |
| July            | 6.29 | 2.83                    | -                    |
| August          | 5.83 | 2.29                    | -                    |
| September       | 6.40 | 2.13                    | -                    |
| October         | 5.64 | 2.19                    | -                    |
| November        | 5.30 | 2.40                    | 1                    |
| December        | 5.80 | 1.83                    | -                    |
| 5.77            |      | 2.31                    | 2                    |

WIND DIRECTION

|           | N  | NNE | NE | ENE | E  | ESE | SE | SSE | S  | SSW | SW | WSW | W  | WNW | NW | NNW |
|-----------|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|
| January   | -  | 1   | 2  | 1   | 1  | 1   | 3  | 2   | 5  | 2   | 7  | -   | 3  | -   | 2  | 1   |
| February  | 11 | -   | 4  | -   | 7  | -   | -  | -   | 2  | -   | 2  | 1   | 1  | -   | -  | -   |
| March     | 5  | -   | 3  | 2   | 7  | 2   | 8  | -   | -  | -   | 1  | 1   | 2  | -   | -  | -   |
| April     | 3  | 5   | 3  | 1   | 2  | 1   | 1  | -   | 2  | 2   | 3  | -   | 2  | 2   | 1  | 2   |
| May       | 1  | 1   | 4  | 3   | 4  | -   | 2  | -   | 3  | 1   | 6  | 1   | 2  | -   | 3  | -   |
| June      | 1  | 1   | 4  | -   | 3  | -   | 1  | 1   | 4  | 1   | 7  | -   | 4  | 2   | 1  | -   |
| July      | -  | -   | 2  | -   | 1  | 1   | -  | 3   | 5  | 1   | 4  | -   | 8  | 2   | 3  | 1   |
| August    | 4  | -   | 4  | -   | 2  | 3   | 4  | -   | 3  | -   | 3  | -   | 5  | 2   | 1  | -   |
| September | 1  | -   | 6  | 1   | 5  | 1   | 1  | 1   | 4  | 1   | 1  | 2   | 2  | 2   | 2  | -   |
| October   | -  | -   | 3  | -   | 4  | 1   | -  | 3   | 8  | -   | 1  | 1   | 3  | 1   | 5  | 1   |
| November  | 1  | 1   | 3  | 2   | 1  | -   | 6  | 2   | 2  | -   | 2  | -   | 6  | 1   | 3  | -   |
| December  | 1  | -   | 6  | 1   | 2  | -   | 6  | -   | 3  | -   | 5  | -   | 3  | -   | 4  | -   |
|           | 28 | 9   | 44 | 11  | 39 | 10  | 32 | 12  | 41 | 8   | 42 | 6   | 41 | 12  | 25 | 5   |





